08-SBd-40-PM R100.0/R154.6 EA-Project No. 0R140-0812000024 EA 0R141 (PM R100.0/R125.0) EA 0R142 (PM R125.0/R154.6) 201.015 (HB-1) June 2015

## **Project Study Report**

## To

# Request for Programming in the 2016 SHOPP Long Lead Project

On Route 40

Between Essex Road Overcrossing (PM R100.0)

And California/Arizona State Line (PM R154.6)

APPROVAL RECOMMENDED:

RAFIH ACHY
PROJECT MANAGER

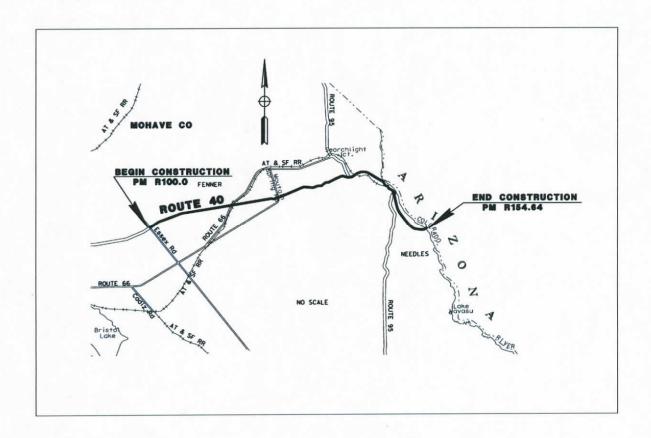
APPROVED:

JOHN BULINSKI

INTERIM DISTRICT 8 DIRECTOR

08-SBd-40-PM R100.0/R154.6 EA-Project No. 0R140-0812000024 EA 0R141 (PM R100.0/R125.0) EA 0R142 (PM R125.0/R154.6) 201.015 (HB-1) June 2015

# Vicinity Map



On Route 40

Between Essex Road Overcrossing (PM R100.0)

And California/Arizona State Line (PM R154.6)

This project study report has been prepared under the direction of the following registered civil engineer. The registered civil engineer attests to the technical information contained herein and the engineering data upon which recommendations, conclusions, and decisions are based.

DON BAO

DATE

6/29/15

REGISTERED CIVIL ENGINEER



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#### 1. INTRODUCTION

This Project Study Report (PSR) proposes to regrade the existing median cross slopes within the thirty (30) feet clear recovery zone (CRZ), from 6:1 or steeper gradient to 10:1 or flatter on Interstate 40 (I-40) from Essex Road Overcrossing (PM R100.0) in Fenner to California/Arizona State Line (PM R154.6) near the City of Needles, in the County of San Bernardino. This project is currently planned to be divided into two (2) segments due to the lengthy project limits and complexities of the Environmental Documents. The planned segments and location breakdown are as follows:

Segment	EA	Project No.	Location
1	0R141	0815000200	PM R100.0/R125.0
2	0R142	0815000201	PM R125.0/R154.6

This project is classified as a Category 4B project as defined in the Project Development Procedures Manual (7<sup>th</sup> Edition, Part 2, Chapter 8, and Section 5) because the proposed improvements under consideration would not require additional right of way and do not substantially increase traffic capacity. The project category assignment was approved by the Deputy District Director for Design on May 15, 2015 (Exhibit F). The total estimated cost for the proposed improvements is \$ 66,412,000 including support, right of way and construction costs. The funding for the Project would be from the State Highway Operation and Protection Program (SHOPP) under the Collision Severity Reduction Program (201.015). Both segments of the project will be programmed for long lead projects in the 2016 SHOPP. Segment 1 is planned to be delivered in 2020/2021 fiscal year and Segment 2 is planned to be delivered in 2022/2023 fiscal year. There is no known opposition to this project.

See the detailed cost estimate in Attachment A for specific work items included in this project.

## Segment 1 (EA 0R141)

Project Limits	08- SBD - 40- PM R100.0/R125.0
Number of Alternatives	2
Alternative Recommended for Programming	Alternative 2
Current Capital Outlay Support Estimate	\$ 9,200,000
Current Capital Outlay Construction Costs	\$ 22,000,000
Current Capital Outlay Right of Way Estimate	\$ 5,006,000
Funding Source	SHOPP-201.015
Funding Year	2020/21
Type of Facility	Freeway

Number of Structures	None			
SHOPP Project Output	25.0 Miles of regrading cross slope median			
Anticipated Environmental	Caltrans is the lead agency under both the			
Determination or Document	California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA). For CEQA compliance, the Division of Environmental planning anticipates the Environmental Determination (ED) for the proposed project will be an Initial Study (IS) or a Focused Initial Study (FIS) with proposed Negative Declaration (ND) or Mitigated Negative Declaration (MND), and for NEPA compliance an Environmental Assessment with Finding of No Significant Impact			
Legal Description	On Interstate 40 in San Bernardino County, near Needles from Essex Road Overcrossing (PM R100.0) to 4.5 miles East of Homer Wash Br (PM R125.0), re-grade cross slopes median.			
<b>Project Development Category</b>	4B			

## Segment 2 (EA 0R142)

<b>Project Limits</b>	08- SBD - 40- PM R125.0/R154.6
Number of Alternatives	2
Alternative Recommended for Programming	Alternative 2
Current Capital Outlay Support Estimate	\$ 8,200,000
Current Capital Outlay Construction Costs	\$ 17,000,000
Current Capital Outlay Right of Way Estimate	\$ 5,006,000
Funding Source	SHOPP-201.015
Funding Year	2022/23
Type of Facility	Freeway
Number of Structures	None
SHOPP Project Output	29.6 Miles of regrading cross slope median
Anticipated Environmental Determination or Document	Caltrans is the lead agency under both the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA). For CEQA compliance, the Division of Environmental planning anticipates the Environmental Determination (ED) for the proposed project will be an Initial Study (IS) or a

	Focused Initial Study (FIS) with proposed Negative Declaration (ND) or Mitigated Negative Declaration (MND), and for NEPA compliance an Environmental Assessment with Finding of No Significant Impact					
Legal Description	On Interstate 40 in San Bernardino County, near Needles from 4.5 miles East of Homer Wash Br (PM R125.0) to State Line of California/Arizona (PM R154.64), re-grade cross slopes median.					
<b>Project Development Category</b>	4B					

A project report will serve as approval of the "selected" alternative.

## 2. BACKGROUND

Interstate 40 (I-40) is a major transcontinental freeway that begins at the junction with Interstate 15 (I-15) in Barstow. It traverses portions of California, Arizona, New Mexico, Texas, Oklahoma, Arkansas, Tennessee and North Carolina. Crossing the United States, it terminates in Wilmington, North Carolina (2,554 miles).

Within District 8, I-40 is 154.6 miles long. The California portion of it terminates at Arizona State Line, near Topock, Arizona. The California portion of I-40 is entirely within District 8. It passes the cities of Barstow and Needles, and the desert communities of Daggett, Newberry Springs, Ludlow and Fenner.

Within the project limits, I-40 consists of a four-lane divided freeway with truck climbing lanes at major grades. A dirt median which is variable in width, separates the roadbeds. Provides for the safe and efficient interregional and interstate mobility of people and goods. It is also a major transcontinental transportation corridor linking Southern California with the east coast; and carries high volumes of truck traffic transporting goods across the nation. The route also serves significant recreational trips to the Mojave Desert, Colorado River and Laughlin destinations.

The Federal Functional Classification (FFC) for the entire California portion of I-40 is Principal Arterial (PA). It is included in the Surface Transportation Assistance Act (STAA) national network for oversized Trucks. It is included in the Strategic Highway Corridor Network (STRAHNET) serving:

- The Fort Irwin Nation Training Center
- The Goldstone Deep Space Tracking Center
- The Marine Corps Logistic Base near Barstow
- The Marine Corps Air Ground Combat Center.

It is included in the International Road System (IRRS). The entire length within California has designations of "High Emphasis" and "Gateway".

1-40

## 3. PURPOSE AND NEED

## Purpose:

The purpose of the proposed project is:

- To reduce the severity and the number of run-off-the-road accidents in the median. To improve the safety of the traveling public by re-grading the median cross slopes inside the clear recovery zone from existing 6:1 or steeper gradient to 10:1 or flatter.
- To improve the clear recovery zone.
- To improve the safety of motorists by providing a clear recovery zone area and upgrading the existing highway safety features within the clear recovery zone.

#### Need:

In its current condition, the proposed project limits between Essex Road Overcrossing (PM R100.0) and California/Arizona State Line (PM R154.6) near the City of Needles are in need of improvement due to non-standard median cross slopes. Flattening the existing median cross slope would improve the safety of the traveling public. This segment of I-40 has experienced several "overturn" accidents in recent years in the median.

To improve the safety of the traveling public in this segment of I-40, the District's Traffic Operations initiated this safety project under Project Initiation Proposal (PIP) No. 3702 (See Attachment I) to regrade the existing cross slope median. This project will be funded under the SHOPP Collision Severity Reduction Program (201.015).

#### 4. DEFICIENCIES

In its current condition, this segment of I-40 is in need of improvement due to nonstandard median cross slopes. Flattening the median by regarding the cross slope would improve the safety of the travelling public on this segment of Interstate 40.

## 4A. Accident Data

Caltrans Traffic Accident Surveillance & Analysis System (TASAS) - Transportation System Network (TSN) Report, Table B - indicates the following accident summaries for the project segment during the three-year period of July 01, 2010 to June 30, 2013.

Table 1 - Summary of Accident Rates
From 07/01/2010 to 06/30/2013 (Per Million Vehicles Miles)

LOCATION I-40 PM R100.0/R154.6		TUAL R	ATES icle Miles)	AVERAGE RATES (per Million Vehicle Miles)				
	F	F+I	TOTAL	F	F+I	TOTAL		
Westbound (WB)	.0006	.11	.28	.011	.15	.35		
Eastbound (EB)	.0006	.16	.34	.011	.15	.35		

F = Fatal, F+I= Fatal plus Injury, Total= All reported accidents

As shown in Table-1, the actual accident fatal plus injury rate on I-40 in the EB direction within the project limits is slightly higher than the average rate for a similar type facility.

The summaries of Primary Collision Factors and Collision Types are shown in tables below.

Table 2 - Summary of Primary Collision Factors (Eastbound)

	Primary Collision Factors										
HBD	FTC	FTY	IT	ESS	ov	ID	OTD	UNK	FA	NS	
2.7	0.0	0.0	54.5	14.5	20.0	0.0	7.3	0.9	0.0	0.0	

HBD	= Influence of Alcohol	ESS	= Speeding	UNK	= Unknown
FTC	= Following to Close	OV	= Other Violations	FA	= Fell Asleep
FTY	= Failure to Yield	ID	= Improper Driving	NS	= Not Stated
IT	= Improper Turn	OTD	= Other Than Driver		

As shown in Table 2, the leading collision factor was improper turn (54.5%) and other violations (20.0%) followed by speeding (14.5%), other than driver (7.3%), influence of alcohol (2.7%), and unknown (0.9%).

Table 3 - Summary of Type of Collisions (Eastbound)

Type of Collisions											
Head-On	Sideswipe	Rear-End	Broadside	Hit-Object	Overturn	Auto-Ped	Other	Not Stated			
0.0	15.5	9.1	0.9	35.5	33.6	1.8	3.6	0.0			

As shown in Table 3, the accident data for this segment shows the majority of the collision types were overturn (33.6%) and hit-object (35.5%) followed by sideswipe

(15.5%), rear-end (9.1%), broadside (0.9%) auto-ped (1.8%), and other (3.6%). The proposed improvement should improve the safety, and the number of overturn and hit-object accidents should be decreased by regrading the median cross slope.

Table 4 - Summary of Primary Collision Factors (Westbound)

Primary Collision Factors										
HBD	FTC	FTY	IT	ESS	ov	ID	OTD	UNK	FA	NS
5.4	0.0	0.0	42.4	13.0	26.1	0.0	10.9	2.2	0.0	0.0

HBD = Influence of Alcohol ESS = Speeding UNK = Unknown OV = Other Violations = Fell Asleep FTC = Following to Close FA FTY = Failure to Yield ID = Improper Driving NS = Not Stated OTD = Other Than Driver = Improper Turn

As shown in Table 4, the leading collision factor was improper turn (42.4%) and other violations (26.1%) followed by speeding (14.5%), other than driver (10.9%), influence of alcohol (5.4%), and unknown (2.2%).

Table 5 - Summary of Type of Collisions (Westbound)

Type of Collisions									
Head-On	Sideswipe	Rear-End	Broadside	Hit-Object	Overturn	Auto-Ped	Other	Not Stated	
0.0	17.4	13.0	2.2	30.4	30.4	1.1	5.4	0.0	

As shown in Table 5, the accident data for this segment shows the majority of the collision type were overturn (30.4%) and hit-object (30.4%) followed by sideswipe (17.4%), rear-end (13.0%), broadside (2.2%), auto-ped (1.1%), and other (5.4%). The proposed improvement should improve the safety, and the number of overturn and hit-object should be decreased by re-grading the cross slope median.

#### 4B. Traffic Volume

The table below shows the traffic forecast on I-40, within the project limits, for the current year (2015), opening year (2019) and future year (2039).

Table 6 - Traffic Data - Segment 1 (PM R100/R125)

Traffic Data	2015 (Existing)	2019 (Opening)	2029 (10 Year)	Year 2039 ( 20 Year)
Annual Average Daily Traffic (ADT)	11,300	13,700	21,900	31,100
Design Hour Volume (DHV)	1,450	1,590	1,990	2,430
Directional Split (D/S)	50%	50%	50%	50%
Trucks % in ADT	60%	60%	60%	60%
Truck % in DHV	40%	40%	40%	40%

Table 7 - Traffic Data - Segment 2 (PM R125/154.64)

Traffic Data	2015 (Existing)	2019 (Opening)	2029 (10 Year)	Year 2039 (20 Year)
Annual Average Daily Traffic (ADT)	13,200	15,800	24,900	34,800
Design Hour Volume (DHV)	1,340	1,490	1,960	2,460
Directional Split (D/S)	50%	50%	50%	50%
Trucks % in ADT	60%	60%	60%	60%
Truck % in DHV	40%	40%	40%	40%

### 5. CORRIDOR AND SYSTEM COORDINATION

This project is consistent with the Caltrans' 2012 Transportation Concept Report (TCR) which is a 20-year planning document that evaluates current and projected conditions along the route and communicates the vision for its development. Interstate 40 (I-40) is expected to continue as a four-lane freeway with no significant impacts from growth or development projected in the rural areas of San Bernardino County or the cities of Barstow and Needles. No capacity improvements are planned or recommended for this corridor.

## 6. ALTERNATIVES

## 6A. Alternative 1: No Build

The No-Build alternative would maintain the facility in its current condition. No improvements would be implemented at this time; therefore, no capital cost is associated with this alternative. The No-Build alternative would not address or alleviate the identified safety issues along this segment of I-40. This alternative would not satisfy the need and purpose.

## 6B. Alternative 2: Re-grade the median cross slope

As previously stated, due to the lengthy project limits and complexities of the Environmental Documents, this project is divided in two (2) segments. The currently planned segments are as follows:

Segment	EA	Location
1	0R141	PM 100.0/125.0
2	0R142	PM 125.0/154.6

This proposed alternative improvement consists of re-grading the median cross slopes from existing which vary from 2:1 to 6:1 or steeper to 10:1 or flatter on Interstate 40 (I-40) from Essex Road Overcrossing (PM 100.0) to California/Arizona State Line (PM 154.6) near the City of Needles, in the County of San Bernardino. There are segments within the project limits where the median cross slope is too steep to allow traffic traveling to have a safe traversable and/or recoverable transition back to the highway. Current advisory standards for the median cross slopes require a gradient of 10:1 or flatter slope; 20:1 being preferred.

As previously indicated, the proposed improvements are expected to improve recovery zones and reduce the risk of "overturn" accidents in the median. No additional right of way is required for this alternative. The proposed improvements would require substantial fill material and modification of existing drainage facilities within the median. Drainage modifications and improvement work will consist of reconstruction of existing off-site drainage facilities by extending the storm drain in the median. The cost of the proposed improvements in this alternative is estimated at \$ 66,412,000 including support costs. The cost estimate breakdown is as follows:

Roadway	\$ 39,000,000
Structure	\$ 0
R/W	\$ 10,012,000
Total Capital Cost	\$ 49,012,000
Total Support Cost	\$ 17,400,000
Total Project Cost	\$ 66,412,000

The Total cost breakdown for each segment is as follows:

Segment	EA	Construction Cost	R/W Cost	Support Cost	Total
1	0R141K	\$22,000,000	\$5,006,000	\$9,200,000	\$36,206,000
2	0R142K	\$17,000,000	\$5,006,000	\$8,200,000	\$30,206,000
Total		\$ 39,000,000	\$10,012,000	\$17,400,000	\$66,412,000

## Transportation Management Plan (TMP)

A Traffic Management Plan (TMP) Data Sheet will be developed during Project Approval & Environmental Document (PA/ED) and Plans, Specifications, and Estimates (PS&E) phases of this project.

## Right of Way

The proposed work is in the median and there is no need for new Right of Way.

## Storm Water BMPs

A short form Storm Water Data Report has been prepared for this project (See Attachment E).

## Hazardous Materials

An Initial Site Assessment (ISA) Checklist was prepared on May 14, 2014. The project was determined to have a low risk for potential hazardous waste involvement (See Attachment H).

## 7. COMMUNITY INVOLVEMENT

General public involvement will occur during the review process included in the development of the Environmental Document. It is anticipated that multiple opportunities will be provided where public input will be received and addressed on the alternative under consideration at that time.

## 8. ENVIRONMENTAL DETERMINATION/DOCUMENT

Based on the initial information provided for preliminary evaluation of the proposed project, it has been determined that an Initial Study (IS) would be the appropriate environmental documentation for CEQA compliance for this proposed project. The IS would be prepared in accordance with Caltrans' environmental procedures, as well as State environmental regulations. Following the public circulation period, all comments shall be considered, and the Project Development Team shall identify a Preferred Alternative. Caltrans proposes to issue a Negative Declaration (ND) or Mitigated ND in conjunction with approving the Initial Study.

Regarding documentation of NEPA compliance, based on the scope of work proposed, the location of the project, and the results of the Technical Studies performed, Caltrans determined that an Environmental Assessment (EA) would be the appropriate environmental documentation for NEPA compliance for the proposed project. The EA would be prepared in accordance with Caltrans' environmental procedures and federal environmental regulations. Following the public circulation period, all comments shall be considered and the Project Development Team shall identify a Preferred Alternative. In accordance with NEPA. Caltrans proposes to issue a Finding of no Significant Impacts (FONSI) in conjunction with approving the Environmental Assessment.

If the scope of work (including utility relocation requirements—if any) or limits for the proposed project changes prior to completion of the preliminary engineering (PA&ED phase), additional Technical Studies may be required, and/or the type of documentation for CEQA compliance and NEPA compliance required for the proposed project will be further evaluated by Caltrans and may be changed as a result.

If during the final design (PS&E phase), or during the construction phase, the scope of work (including utility relocation requirements—if any) or limits for the proposed project changes, performance of an Environmental Re-Evaluation will be required to confirm if

the environmental documentation for CEQA compliance and NEPA compliance documentation remains complete. New or revised Technical Studies will be prepared if needed. An Environmental Certification will be required at the end of the PS&E phase, and a Certificate of Compliance (CEC) will be required following completion of construction of the project.

## 9. FUNDING/PROGRAMMING

The two projects, EA 0R141 and 0R142 are proposed for programming into the 2016 SHOPP as long lead projects and funded from 20.XX.201.015 Collision Severity Reduction Program. It has been determined that the projects are eligible for federal aid funding.

## Capital Outlay Support and Project Estimates:

## 9A. Segment 1-EA 0R141 (PM 100/125)

Fund Source			Fis	scal Year	Estimate		
20.XX.201.015	Prior	2017/18	2018/9	2019/20	2020/21	Future	Total
Component	In thousands of dollars (\$1,000)						
PA&ED Support					3,200		
PS&E Support					2,500		
Right-of-Way Support					200		
Construction Support					3,300		
Right-of-Way Capital					5,006		
Construction Capital					22,000		
Total					36,206		

## 9B. Segment 2-EA 0R142 (PM 125/154.64)

Fund Source			Fis	cal Year	Estimate		
20.XX.201.015	Prior	2019/20	2020/21	2021/22	2022/23	Future	Total
Component		In thousands of dollars (\$1,000)					
PA&ED Support					2,900		
PS&E Support					2,300		
Right-of-Way Support					200		
Construction Support					2,800		
Right-of-Way Capital					5,006		

Construction Capital	17,000	
Total	30,206	

## 10. SCHEDULE

## 10A. Segment 1-0R141 (PM 100.0/125.0):

Deliverables	Task Number	Start Date	Finish Date
Environmental Study Request	160.30	10/02/2017	12/29/2017
Base Maps and Plan Sheets for PA&ED Development	160.45	09/30/2016	09/29/2017
Draft Environmental Document	165.25	01/02/2018	06/31/2019
DED Circulation	175.05	06/07/2019	07/08/2019
Project Preferred Alternative	175.20	07/09/2019	09/02/2019
Final Environmental Document	180.10	07/09/2019	09/30/2019

Milestones	Milestone No.	Date
Begin Environmental	M020	01/02/2018
Notice of Preparation (EIR, ND & FONSI only)	M030	01/15/2018
Notice of Intent (EIR, ND & FONSI only)	M035	01/15/2018
Circulate DPR and DED Internally in District	M060	02/01/2019
Circulate DPR and DED Externally	M120	06/07/2019
Approved FED	M160	09/30/2019
PA&ED	M200	09/30/2019
PS&E To DOE	M377	08/31/2020
R/W Cert	M410	01/29/2021
RTL	M460	02/26/2021
CCA	M600	07/31/2023
End Project	M800	07/31/2025

## 10B. Segment 2-EA 0R142 (PM 125.0/154.6):

Deliverables	Task Number	Start Date	Finish Date
Environmental Study Request	160.30	03/30/2018	05/25/2018
Base Maps and Plan Sheets for PA&ED Development	160.45	09/30/2016	03/29/2018
Draft Environmental Document	165.25	05/31/2018	04/29/2020
DED Circulation	175.05	04/30/2020	08/07/2020
Project Preferred Alternative	175.20	06/02/2020	08/21/2020
Final Environmental Document	180.10	06/02/2020	08/21/2020

Milestones	Milestone No.	Date
Begin Environmental	M020	05/31/2018
Notice of Preparation (EIR, ND & FONSI only)	M030	06/15/2018
Notice of Intent (EIR, ND & FONSI only)	M035	06/15/2018
Circulate DPR and DED Internally in District	M060	01/02/2020
Circulate DPR and DED Externally	M120	04/30/2020
Approved FED	M160	08/21/2020
PA&ED	M200	08/31/2020
PS&E To DOE	M377	02/28/2022
R/W Cert	M410	07/29/2022
RTL	M460	08/31/2022
CCA	M600	01/31/2025
End Project	M800	01/29/2027

## 11. RISKS

Risks that impact schedule and cost are mainly attributed to Environmental and Right of Way activities. The timeline identified in the report will need to be further evaluated during PA&ED. See Risk Assessment, Attachment C for additional information.

## 12. FHWA COORDINATION

Per the current Joint Stewardship and Oversight Agreement (Agreement) between the California Department of Transportation (Caltrans) and Federal Highway Administration (FHWA), dated May 28, 2015, this project is considered to be an Assigned Project. However, should any future situation/circumstance that will potentially classify the project as a High Profile Project arises, Caltrans shall notify FHWA and reassess this project using the Project of Division Interest selection criteria outlined in the Agreement.

## 13. PROJECT REVIEWS

Scoping team field review Do	on Bao, Matthew Maestas	Date <u>03/10/2015</u>
Headquarters Design Coordinator	Luis Betancourt	Date 6/10/2015
Project Manager	Rafih Achy	Date 6/05/2015
D8 SHOPP Manager	Joe Fehrenkamp	Date 6/11/2015
FHWA Liaison	Anthony Ng	Date 6/10/2015
District Safety Review	Kevin Chen	Date 6/10/2015
Environmental Review	Aaron Burton	Date 6/05/2015
Operation Review	Haissam Yahya	Date 6/25/2015

## 14. PROJECT PERSONNEL

NAME	Title & Branch	<b>Phone Number</b>
Rafih Achy	Project Manager	(909) 383-4077
Haissam Yahya	Office Chief, Traffic Operations	(909) 383-4065
Matthew Maestas	Office Chief, Planning	(909) 383-4825
Aaron Burton	Senior Environmental Planner	(909)-383-5918
David Chavez Office Chief, Right of Way Planning and Management		(909) 888-7153
Don Bao	Project Engineer	(909) 806-3950
Virgal Woolfolk	Generalist	(909) 383-1593

## 15. ATTACHMENTS

- A. Preliminary Cost Estimate
- B. Layout and Typical Cross Section
- C. Risk Assessment
- D. Right of Way Data Sheet
- E. Storm Water Data Report
- F. Project Category Assignment
- G. Preliminary Environmental Analysis Report (PEAR)
- H. Initial Site Assessment (ISA) Checklist
- I. Project Initiation Proposal (PIP)

# ATTACHMENT A PRELIMINARY COST ESTIMATE

TYPE OF ESTIMATE:

PROJECT STUDY REPORT

SBd-40-PM R100/R125 08-804-EA 0R140K-1-0812000024

PROGRAM CODE:

201.010/HB1

PIP NUMBER:

PROJECT DESCRIPTION:

It is proposed to regade existing median slopes to 10:1 or flatter at various locations along Interstate 40.

LIMITS:

From Essex Road (PM R100.00) to \_\_ (PM R125)

PROPOSED IMPROVEMENTS:

ROADWAY ITEMS		\$22,000,000
STRUCTURE ITEMS		\$0
SUBTOTAL CONSTRUCTION		\$22,000,000
RIGHT OF WAY	(Current Value)	\$5,006,000
SUBTOTAL PROJECT COST		\$27,006,000
TOTAL PROJECT COST		\$27,006,000
ROUND OFF TO:		\$27,010,000

Prepared By: Project Engineer	Don Bao	Date: April 22, 2015	
Reviewed By District Program Mana	ger	Date:	
District Program Mana	ger	Date.	
Approved By			
Project Manager		Date:	

Sheet 1 of 6

SBd-40-PM R100/R125 08-804-EA 0R140K-1-0812000024

I. ROADWAY ITEMS	QUANTITY	UNIT	UNIT PRICE	UNIT	SECTION
SECTION 1. Earthwork					
Roadway Excavation	75,000	$Yd^3$	\$10	\$750,000	
Imported Borrow	892,380	$Yd^3$	\$10	\$8,923,800	
Develop Water Supply	1	LS	\$60,000	\$60,000	
Clearing & Grubbing	1	LS	\$250,000	\$250,000	
			Total Earthwork	Section	\$9,983,800
SECTION 2. Structural Section					
Minor Concrete (Curb)	0	CY	\$425	\$0	
Minor Concrete (stamped concrete)	0	SQFT	\$6	\$0	
Hot Mix Asphalt (Type A)	0	TON	\$90	\$0	
Rubberized Hot Mix Asphalt (Gap-Graded)	0	TON	\$92	\$0	
Aggregate Base Class 2	O	CY	\$30	\$0	
Remove Asphalt Concrete surfacing	o	SQYD	\$6	\$0	
			Total Structural	Section	\$0
SECTION 3. Drainage					
Project Drainage	1	LS	\$2,000,000	\$2,000,000	
			Total Drainage	Section	\$2,000,000

Sheet 2 of 6

SBd-40-PM R100/R125 08-804-EA 0R140K-1-0812000024

	YTITMAUQ	UNIT	UNIT PRICE	COST	SECTION
SECTION 4. Specialty Items					
remporary Construction BMPs (1.5%)	1	LS	\$400,000	\$400,000	
Environmental Mitigation	1	LS		\$0	
Resident Engineer Office Space.	1	LS	\$132,000	\$132,000	
Metal Beam Guard Rail	4000	LF	\$40	\$160,000	
			Total Specialty Ite	ems	\$692,000
SECTION 5. Traffic Items					
Construction Area Signs Traffic Control System Portable Changeable Message Sign	1 1 4	LS LS EA	4,800.00 1,900,000 4,000.00	\$2,400.00 \$1,080,000 \$8,000.00	
raffic Management Plan	1	LS	\$1,200,000	\$1,200,000	
			Total Traffic Item:		\$2,290,400

SUBTOTAL SECTIONS 1-5

\$14,966,200

SBd-40-PM R100/R125 08-804-EA 0R140K-1-0812000024

					UNIT	SECTION
SECTION 6. Minor Items Subtotal Sections 1-5		\$14,966,200	x	5%	\$748,310	
			TOTAL MINOR ITE	EMS		\$748,310
SECTION 7. Roadway Mot Subtotal Sections 1-5	bilization	\$14,966,200				
Minor Items	SUM	\$748,310 \$15,714,510	x	10%	\$1,571,451	
	SOW	\$13,714,510	TOTAL ROADWAY		\$1,071,401	\$1,571,451
						* 1,1=2,21,1=3
SECTION 8. Roadway Add Supplemental	litions	****				
Subtotal Sections 1-5		\$14,966,200				
Minor Items		\$748,310				
	SUM	\$15,714,510	×	5%	\$785,726	
Contingencies Subtotal Sections 1-5		\$14,966,200				
Minor Items		\$748,310				
	SUM	\$15,714,510	х	25%	\$3,928,628	
			TOTAL ROADWAY	ADDITIONALS		\$4,714,353
			TOTAL ROADWAY (Total of Sections			\$22,000,314
			F	ROUND OFF TO:		\$22,000,000
			F	ROUND OFF TO:		\$22,000,
Estimate Prepared By :		Don Bao		Phone # _ Date		

Sheet 4 of 6

SBd-40-PM R100/R125 08-804-EA 0R140K-1-0812000024

II. STRUCTURES ITEMS The estimated contruction costs included 1	0% time related overh	ead, 10% mobilization	and 25% contingencies.			
Bridge Name	Bridge No.	Scope	Туре	Cost		
TOTAL COST FOR STRUCTURE				\$0		
	_TC	OTAL STRUCTURES	ITEMS		\$0	
			ROUND OFF TO:	<del>-</del>	\$0	
Estimate Prepared By :	De	on Bao		Phone #		
				Date		

Sheet 5 of 6

SBd-40-PM R100/R125 08-804-EA 0R140K-1-0812000024

## III. RIGHT OF WAY

Right of Way estimates should consider the probable highest and best use and type and intent of improvements at the time of acquisition.

Assume acquisition including utility relocation occurs at the right of way certification milestone as shown in the Funding and Scheduling Section of the PSR. For further guidance see Chapter I, Caltrans, Right of Way Procedural Handbook.

	Current Value	Escalated Rate	Escalated Value
Acquisition, including Excess Lands,	725 MILW 07007		
Damages and Goodwill	\$5,000,000		\$5,000,000
Utility Relocation (State share)	\$1,000		\$1,000
Clearance/Demolition			
Project Permit Fees	\$5,000		\$5,000
Title and Escrow Fees	\$0		\$0
Condemnation Costs	\$0		\$0
TOTAL RIGHT OF WAY (CURRENT VALUE):	\$5,006,000		
TOTAL ESCALATED VALUE:			\$5,006,000

ROUND OFF TO: \$5,006,000

Estimate Prepared By :	Don Bao	Phone # _
		Date

Sheet 6 of 6

TYPE OF ESTIMATE :

PROJECT STUDY REPORT

SBd-40-PM 125/154.64 08-804-EA 0R140K-0812000024 Segment 2

PROGRAM CODE:

201.010/HB1

PIP NUMBER:

PROJECT DESCRIPTION:

It is proposed to regade existing median slopes to 10:1 or flatter at various locations along Interstate 40.

LIMITS :

From PM 125 to Arizona State Line (PM 154.64)

PROPOSED IMPROVEMENTS:

ROADWAY ITEMS		\$17,000,000
STRUCTURE ITEMS		\$0
SUBTOTAL CONSTRUCTION		\$17,000,000
RIGHT OF WAY	(Current Value)	\$5,006,000
SUBTOTAL PROJECT COST		\$22,006,000
TOTAL PROJECT COST		\$22,006,000
ROUND OFF TO:		\$22,010,000

Prepared By: Project Engineer	Don Bao	Date: June 24, 2015	
Reviewed By District Program Mana	ger	Date:	
Approved By			
Project Manager		Date:	

Sheet 1 of 6

SBd-40-PM 125/154.64 08-804-EA 0R140K-0812000024

I. ROADWAY ITEMS	QUANTITY	UNIT	UNIT PRICE	UNIT	SECTION
SECTION 1. Earthwork					
Roadway Excavation	65,850	Yd <sup>3</sup>	\$10	\$658,500	
Imported Borrow	597,070	$Yd^3$	\$10	\$5,970,700	
Develop Water Supply	1	LS	\$60,000	\$60,000	
Clearing & Grubbing	1	LS	\$250,000	\$250,000	
			Total Earthwork Section		\$6,939,200
SECTION 2. Structural Section					
Minor Concrete (Curb)	0	CY	\$425	\$0	
Minor Concrete (stamped concrete)	0	SQFT	\$6	\$0	
lot Mix Asphalt (Type A)	0	TON	\$90	\$0	
Rubberized Hot Mix Asphalt (Gap-Graded)	0	TON	\$92	\$0	
Aggregate Base Class 2	0	CY	\$30	\$0	
Remove Asphalt Concrete surfacing	0	SQYD	\$6	\$0	
			Total Structural Section		\$0
SECTION 3. Drainage					
Project Drainage	1	LS	\$2,000,000	\$2,000,000	
			Total Drainage	Section	\$2,000,000

Sheet 2 of 6

SBd-40-PM 125/154.64 08-804-EA 0R140K-0812000024

	QUANTITY	UNIT	UNIT UNIT PRICE COST	SECTION COST
SECTION 4. Specialty Items				
Temporary Construction BMPs (1.5%)	1	LS	\$725,000 \$725,000	
Environmental Mitigation	1	LS	\$0	
Resident Engineer Office Space.	1	LS	\$132,000 \$132,000	
Metal Beam Guard Rail	6500	LF	\$40 \$260,000	
			Total Specialty Items	\$1,117,000
SECTION 5. Traffic Items				
Construction Area Signs Traffic Control System Portable Changeable Message Sign	1 1 4	LS LS EA	4,800.00	
Traffic Management Plan	1	LS	\$800,000 \$800,000	
			Total Traffic Items	\$1,508,400
	S	SUBTOTAL SE	ECTIONS 1-5	\$11,564,600

SBd-40-PM 125/154.64 08-804-EA 0R140K-0812000024

Section 8. Roadway Additions   Supplemental   Subtotal Sections 1-5   \$11,564,600	SECTIO
### TOTAL MINOR ITEMS    SECTION 7. Roadway Mobilization Subtotal Sections 1-5   \$11,564,600	
ECTION 7. Roadway Mobilization Subtotal Sections 1-5  Minor Items  SUM  \$11,564,600  \$12,142,830  X  \$10%  \$1,214,283   **TOTAL ROADWAY MOBILIZATION**  \$200	
Subtotal Sections 1-5  Minor Items  SUM  \$578,230 \$12,142,830  **TOTAL ROADWAY MOBILIZATION  \$  ECTION 8. Roadway Additions Supplemental Subtotal Sections 1-5  Minor Items  \$578,230 \$11,564,600  Minor Items  \$578,230 \$11,564,600  Contingencies Subtotal Sections 1-5  \$11,564,600  Minor Items  \$578,230 \$11,564,600  Minor Items  \$578,230 \$11,564,600  Minor Items  \$578,230 \$11,564,600  **TOTAL ROADWAY ADDITIONALS  \$707AL ROADWAY ITEMS (Total of Sections 1-8)  **ROUND OFF TO: \$11	\$578,23
Subtotal Sections 1-5  Minor Items  SUM  \$578,230 \$12,142,830  **TOTAL ROADWAY MOBILIZATION  \$  ECTION 8. Roadway Additions Supplemental Subtotal Sections 1-5  Minor Items  \$578,230 \$11,564,600  Minor Items  \$578,230 \$12,142,830 \$\$\$\$  **Contingencies Subtotal Sections 1-5  \$11,564,600  Minor Items  \$578,230 \$\$\$\$\$  \$11,564,600  Minor Items  \$578,230 \$\$\$\$\$  \$11,564,600  Minor Items  \$578,230 \$\$\$\$  \$11,564,600  **TOTAL ROADWAY ADDITIONALS  \$707AL ROADWAY ITEMS (Total of Sections 1-8)  **ROUND OFF TO: \$11	
SUM \$12,142,830 x 10% \$1,214,283  TOTAL ROADWAY MOBILIZATION \$  ECTION 8. Roadway Additions Supplemental Subtotal Sections 1-5 \$11,564,600  Minor Items \$578,230 x 5% \$607,142  Contingencies Subtotal Sections 1-5 \$11,564,600  Minor Items \$578,230 x 25% \$3,035,708  TOTAL ROADWAY ADDITIONALS \$  TOTAL ROADWAY ADDITIONALS \$1  (Total of Sections 1-8)	
### TOTAL ROADWAY MOBILIZATION    SECTION 8. Roadway Additions	
ECTION 8. Roadway Additions Supplemental Subtotal Sections 1-5  Minor Items  \$578,230 \$SUM \$12,142,830 \$\$11,564,600  Minor Items  \$578,230 \$Minor Items \$578,230 \$\$11,564,600  Minor Items \$\$578,230 \$\$12,142,830 \$\$12,142,830 \$\$12,142,830 \$\$10	
Supplemental Subtotal Sections 1-5         \$11,564,600           Minor Items         \$578,230 \$12,142,830         \$5%         \$607,142           Contingencies Subtotal Sections 1-5         \$11,564,600         \$578,230 \$12,142,830         \$25%         \$3,035,708           Minor Items         \$578,230 \$12,142,830         \$25%         \$3,035,708           TOTAL ROADWAY ADDITIONALS         \$1000           TOTAL ROADWAY ITEMS (Total of Sections 1-8)         \$1           ROUND OFF TO:         \$1	\$1,214,28
Subtotal Sections 1-5  Minor Items  SUM  \$11,564,600  \$578,230  \$11,564,600  \$12,142,830  \$11,564,600  Sum  \$12,142,830  \$11,564,600  \$	
Sum   \$12,142,830   x   5%   \$607,142	
SUM \$12,142,830 x 5% \$607,142  Contingencies Subtotal Sections 1-5  Minor Items  SUM \$12,142,830 x 25% \$3,035,708   TOTAL ROADWAY ADDITIONALS  \$ TOTAL ROADWAY ITEMS \$1 (Total of Sections 1-8)  ROUND OFF TO: \$1	
Contingencies Subtotal Sections 1-5  Minor Items  \$578,230 \$12,142,830  **TOTAL ROADWAY ADDITIONALS  TOTAL ROADWAY ITEMS  (Total of Sections 1-8)  **ROUND OFF TO: \$1	
Subtotal Sections 1-5 \$11,564,600  Minor Items \$578,230 \$25% \$3,035,708  TOTAL ROADWAY ADDITIONALS \$ TOTAL ROADWAY ITEMS \$1 (Total of Sections 1-8)  ROUND OFF TO: \$1	
SUM \$12,142,830 × 25% \$3,035,708  TOTAL ROADWAY ADDITIONALS \$  TOTAL ROADWAY ITEMS \$1  (Total of Sections 1-8)  ROUND OFF TO: \$1	
TOTAL ROADWAY ADDITIONALS  TOTAL ROADWAY ITEMS (Total of Sections 1-8)  ROUND OFF TO:  \$1	
TOTAL ROADWAY ITEMS \$1 (Total of Sections 1-8)  ROUND OFF TO: \$1	
TOTAL ROADWAY ITEMS (Total of Sections 1-8)  ROUND OFF TO: \$1	\$3,642,84
(Total of Sections 1-8)  ROUND OFF TO: \$1	, , , , , , , , , , , , , , , , , , ,
	16,999,962
stimate Prepared By : Don Bao Phone # _	17,000,000
stimate Prepared By : Don Bao Phone # _	
timate Prepared By : Don Bao Phone #	
timate Prepared By : Don Bao Phone #	
Date	

II. STRUCTURES ITEMS

SBd-40-PM 125/154.64 08-804-EA 0R140K-0812000024

Bridge Name	Bridge No.	Scope	Type	Cost		
Trade Hame	21142					
				200		
TOTAL COST FOR STRUCTURE				\$0		
	T	OTAL STRUCTURES I	TEMS		\$0	
			ROUND OFF TO:	_	\$0	
		- D		Dhana #		
stimate Prepared By :	D	on Bao		Phone #		

Sheet 5 of 6

SBd-40-PM 125/154.64 08-804-EA 0R140K-0812000024

## III. RIGHT OF WAY

Right of Way estimates should consider the probable highest and best use and type and intent of improvements at the time of acquisition.

Assume acquisition including utility relocation occurs at the right of way certification milestone as shown in the Funding and Scheduling Section of the PSR. For further guidance see Chapter I, Caltrans, Right of Way Procedural Handbook.

	Current Value	Escalated Rate	Escalated Value
Acquisition, including Excess Lands, Damages and Goodwill	\$5,000,000		\$5,000,000
Utility Relocation (State share)	\$1,000		\$1,000
Clearance/Demolition			
Project Permit Fees	\$5,000		\$5,000
Title and Escrow Fees	\$0		\$0
Condemnation Costs	\$0		\$0
TOTAL RIGHT OF WAY (CURRENT VALUE):	\$5,006,000		
TOTAL ESCALATED VALUE :			\$5,006,000

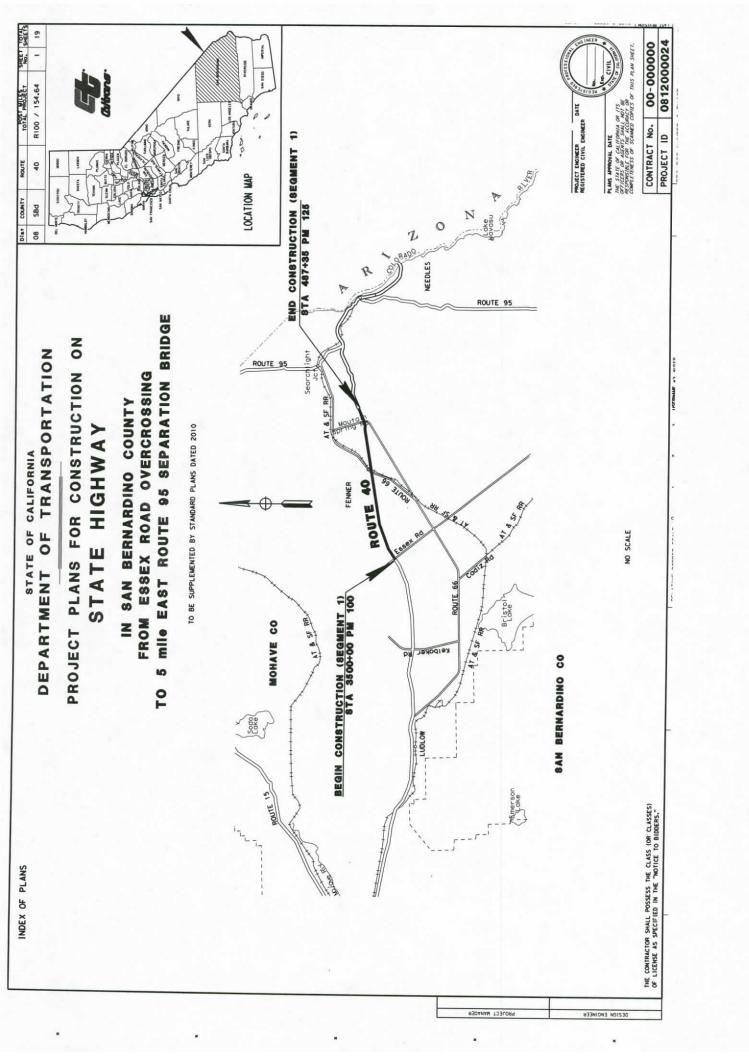
ROUND OFF TO: \$5,006,000

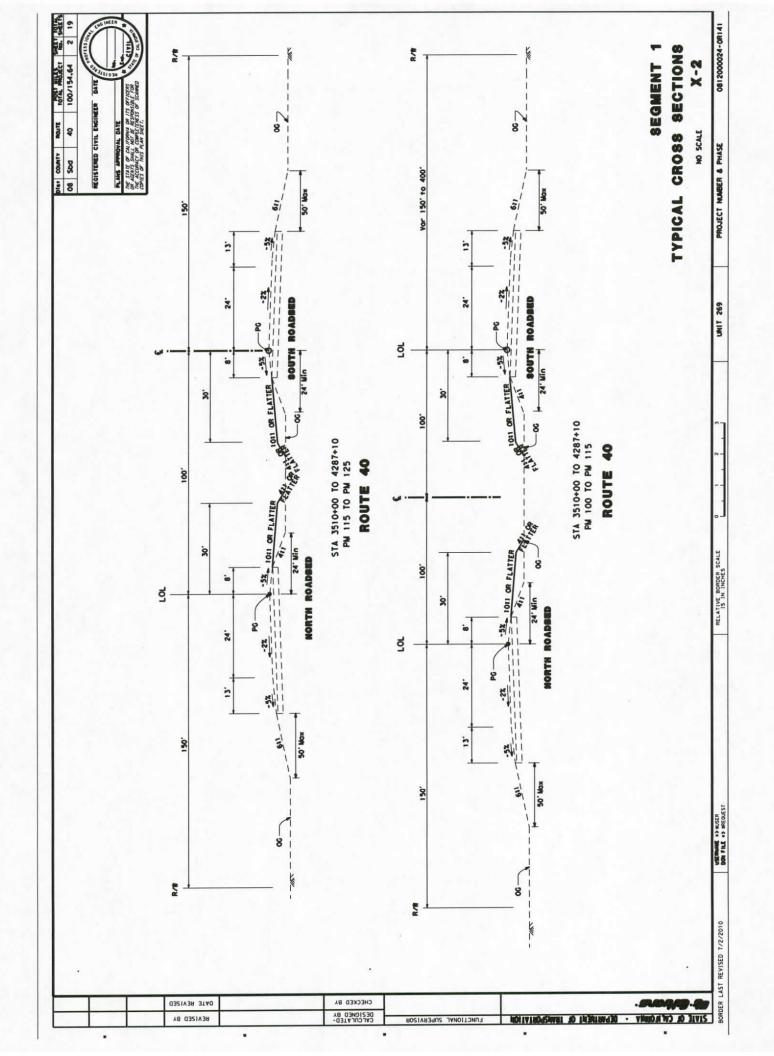
Estimate Prepared By :	Don Bao	Phone # _	
		Date	

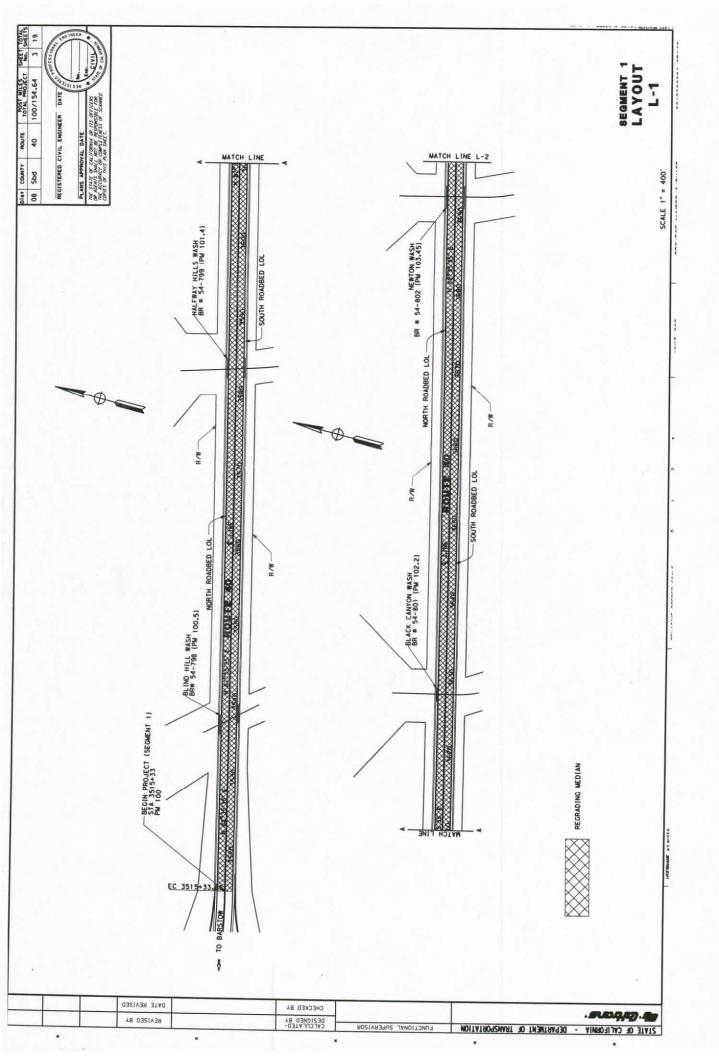
Sheet 6 of 6

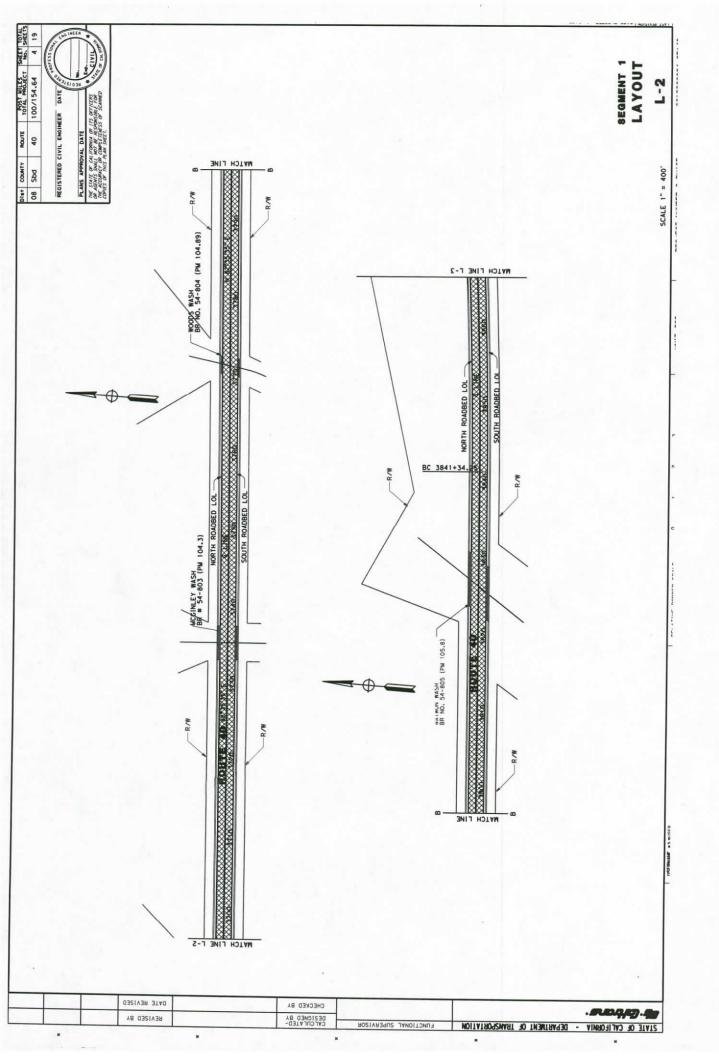
# ATTACHMENT B

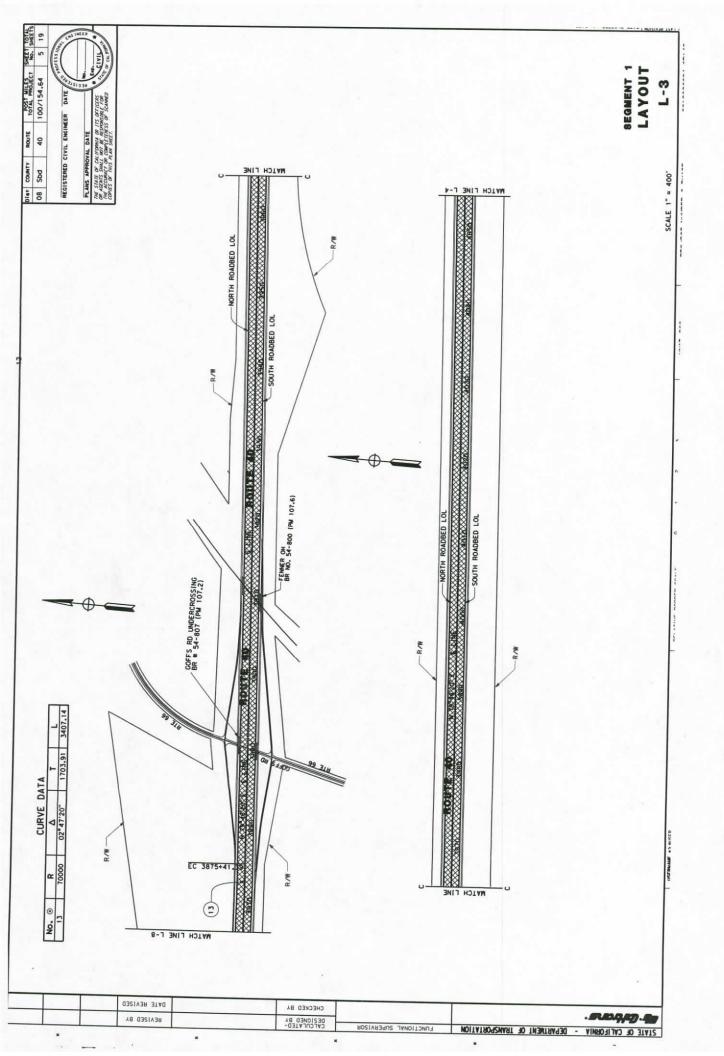
LAYOUTS & TYPICAL CROSS SECTION

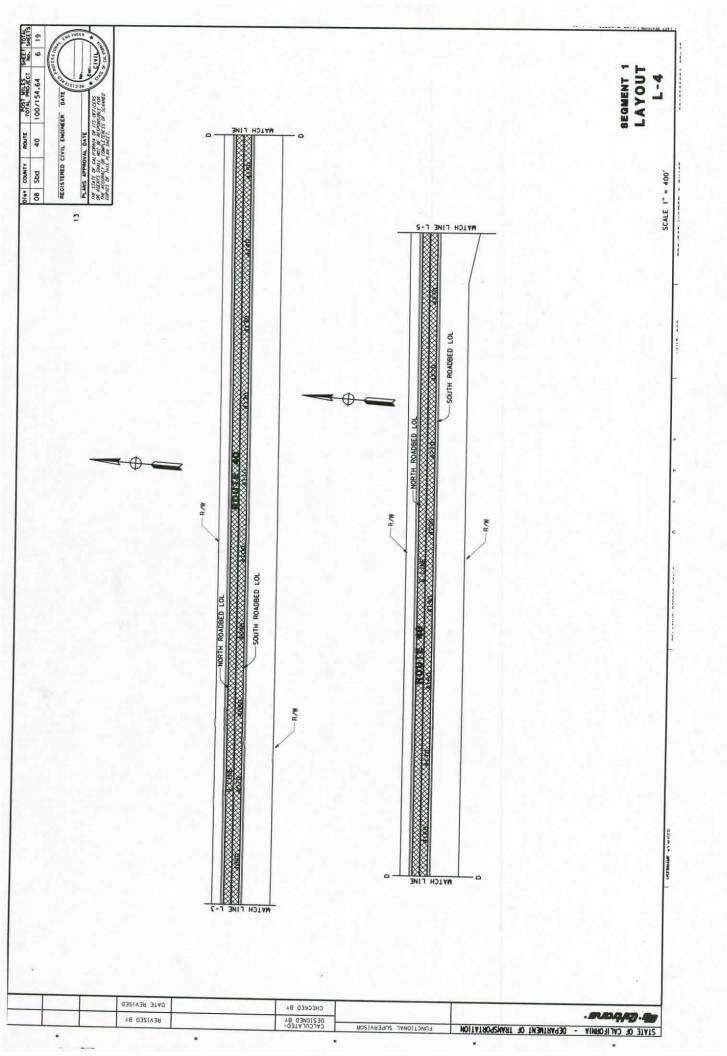


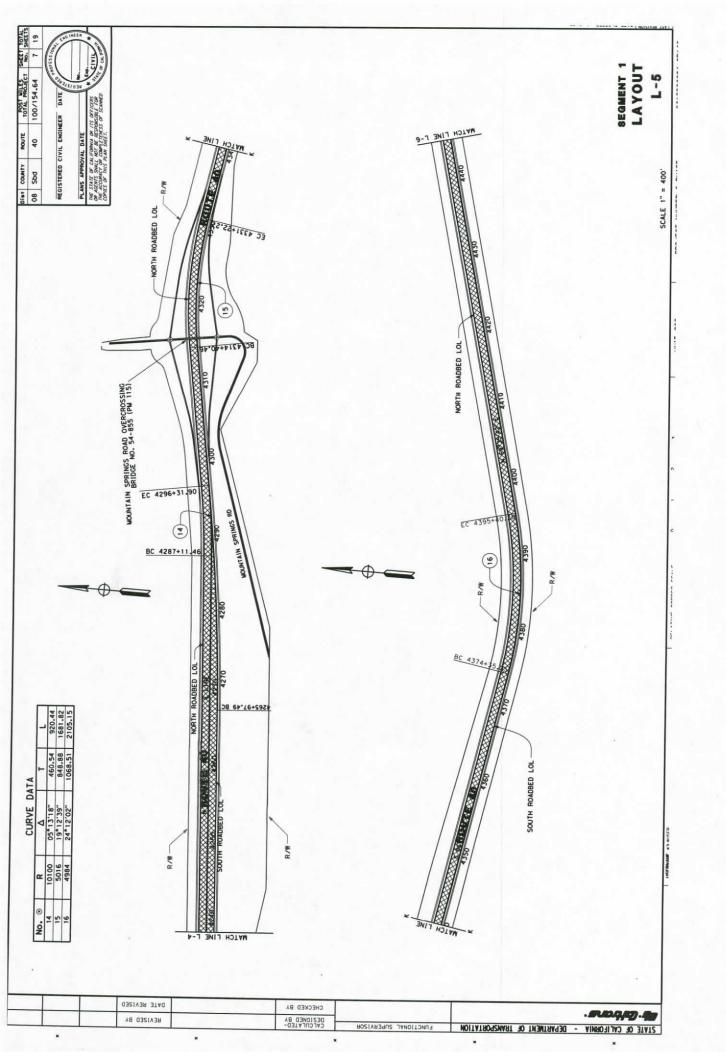


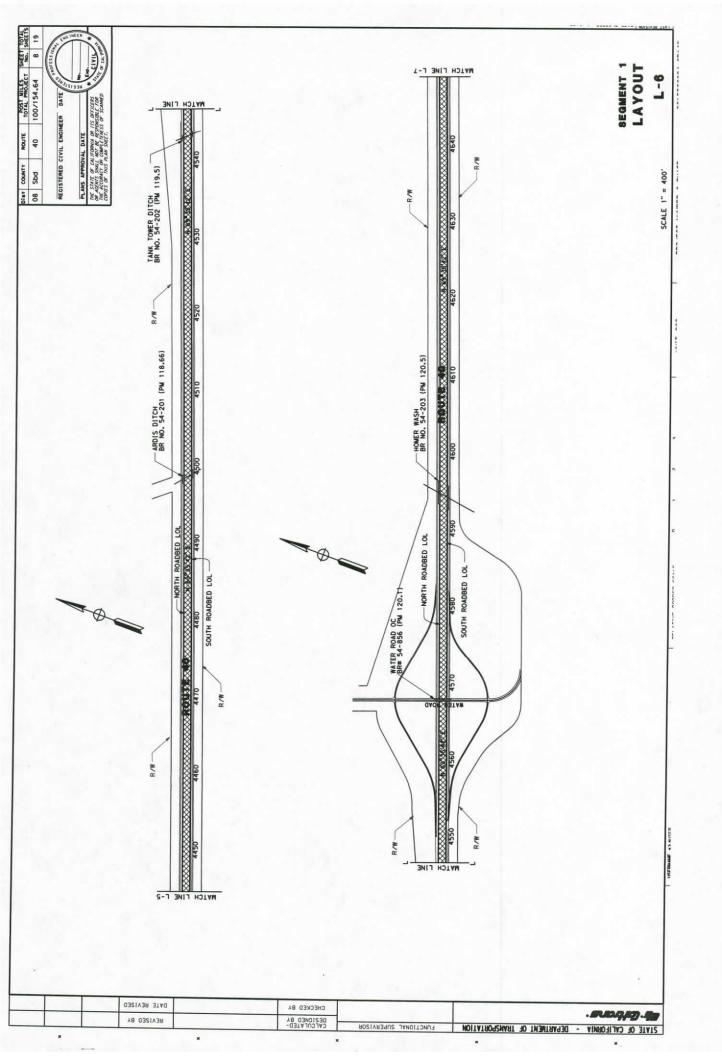


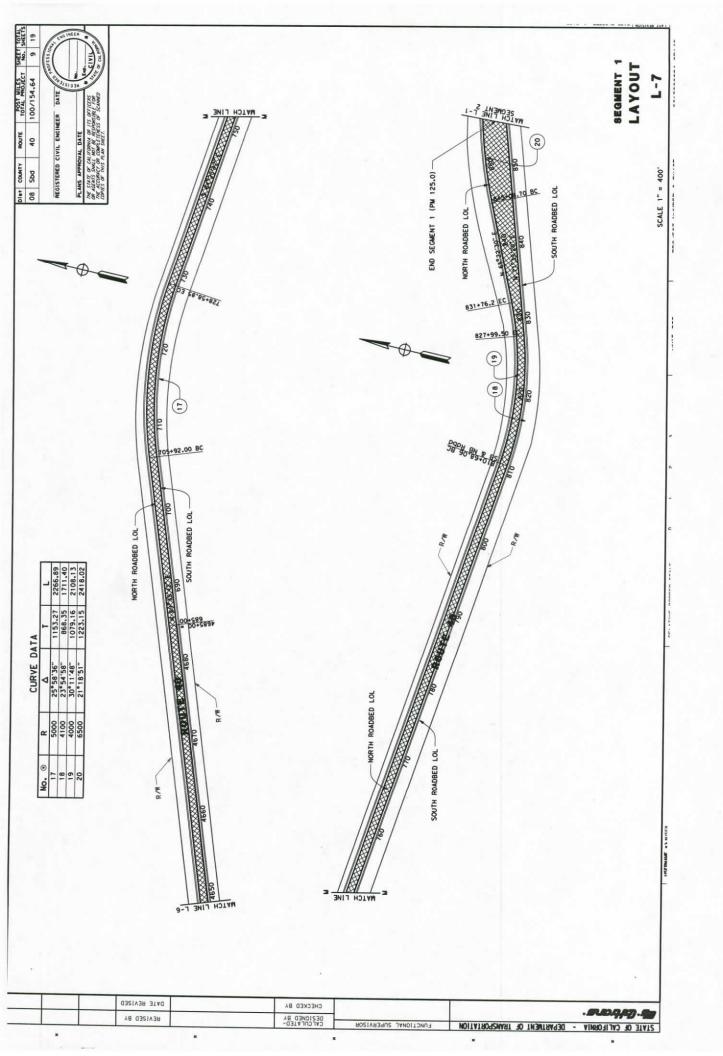


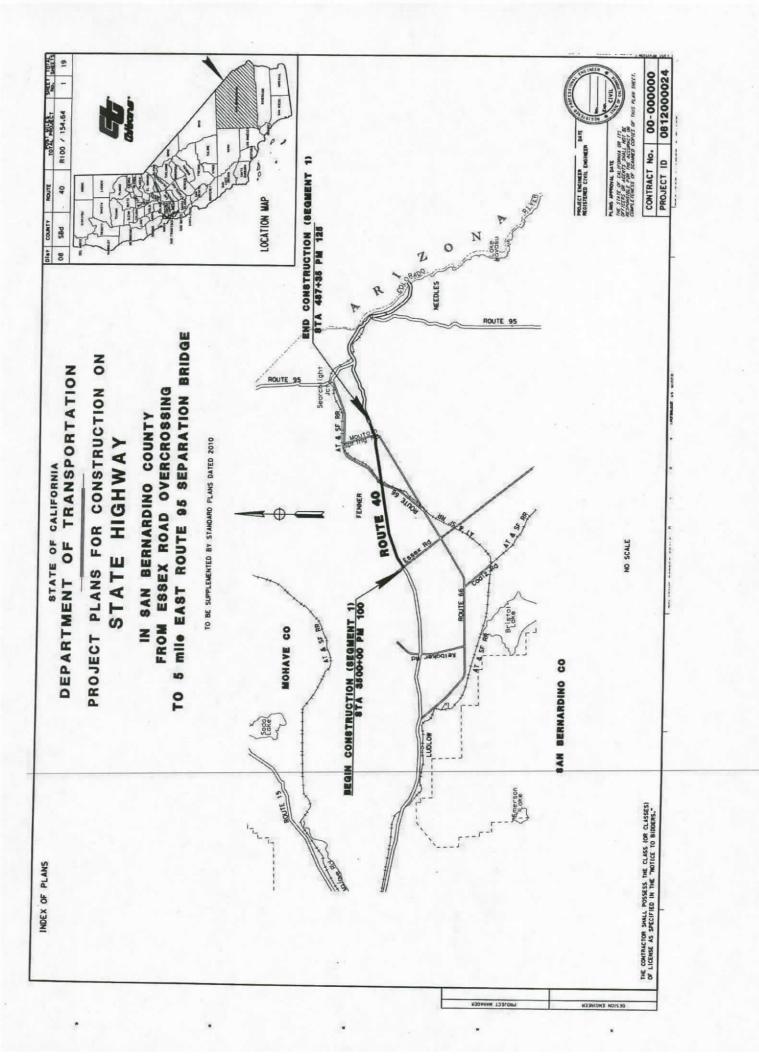


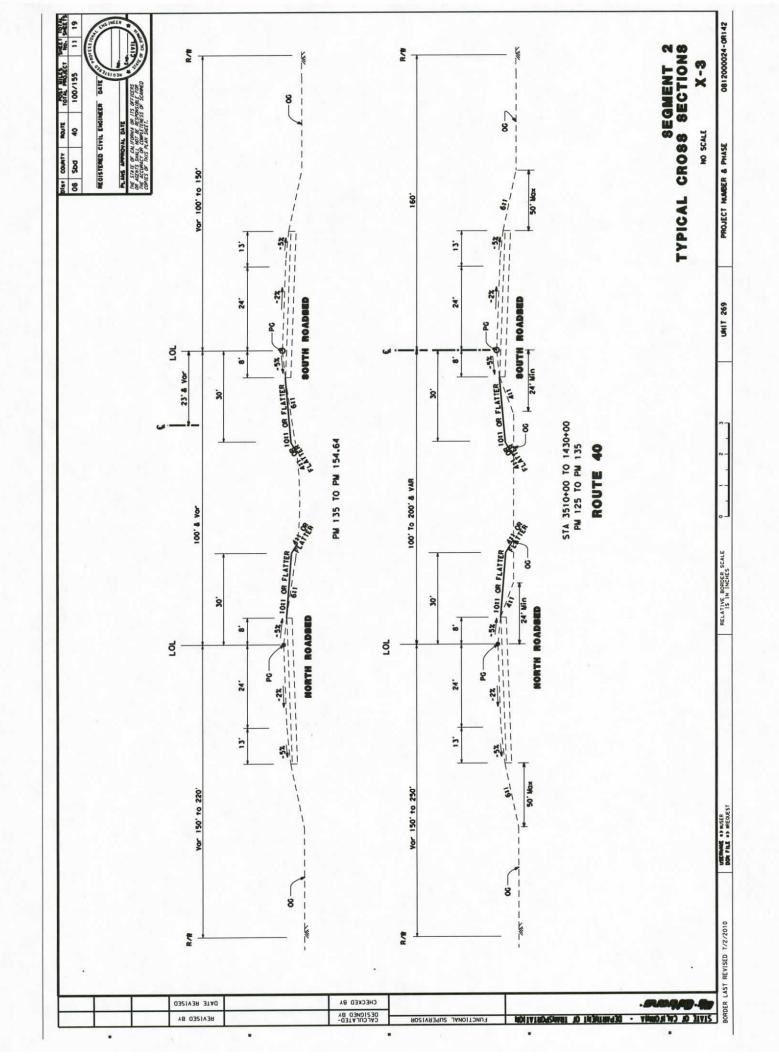


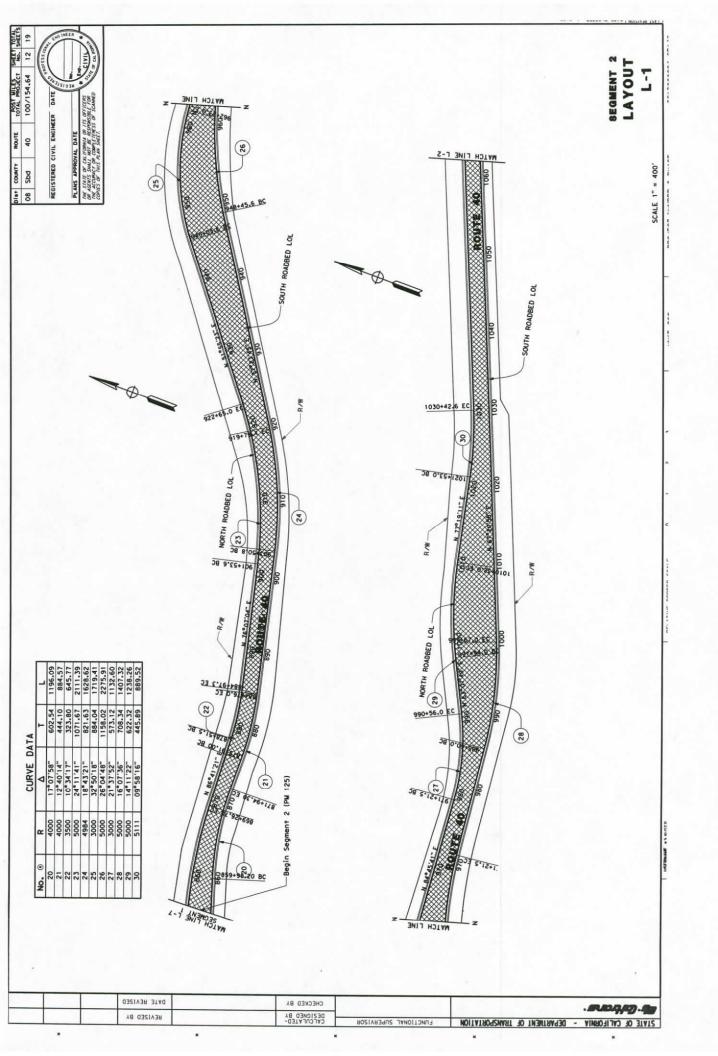


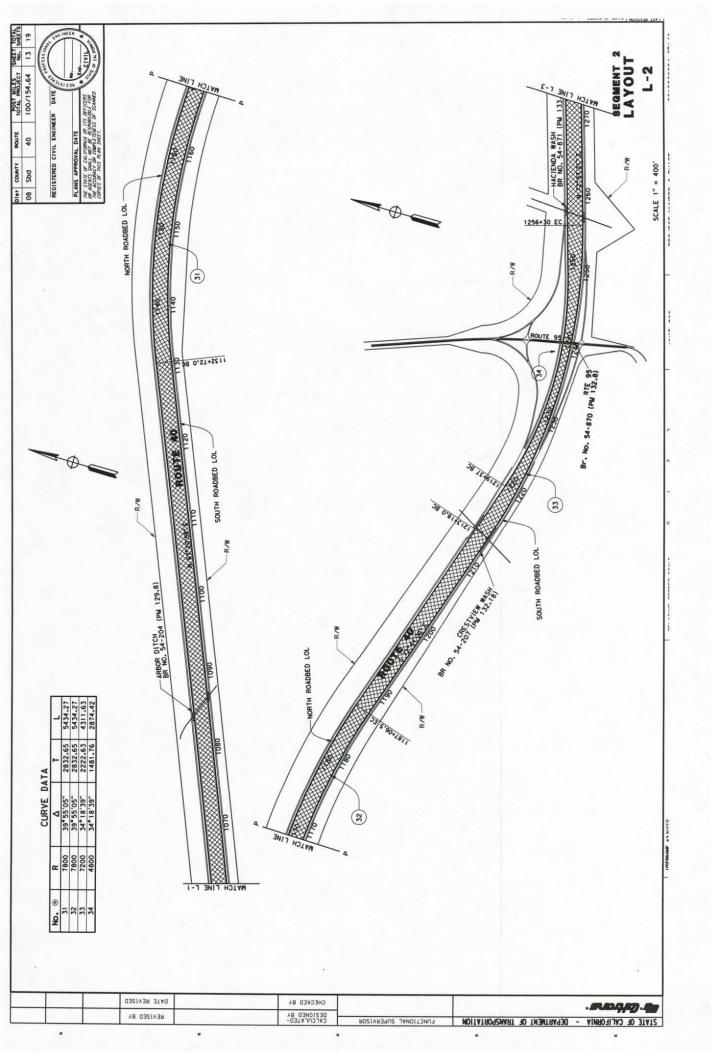


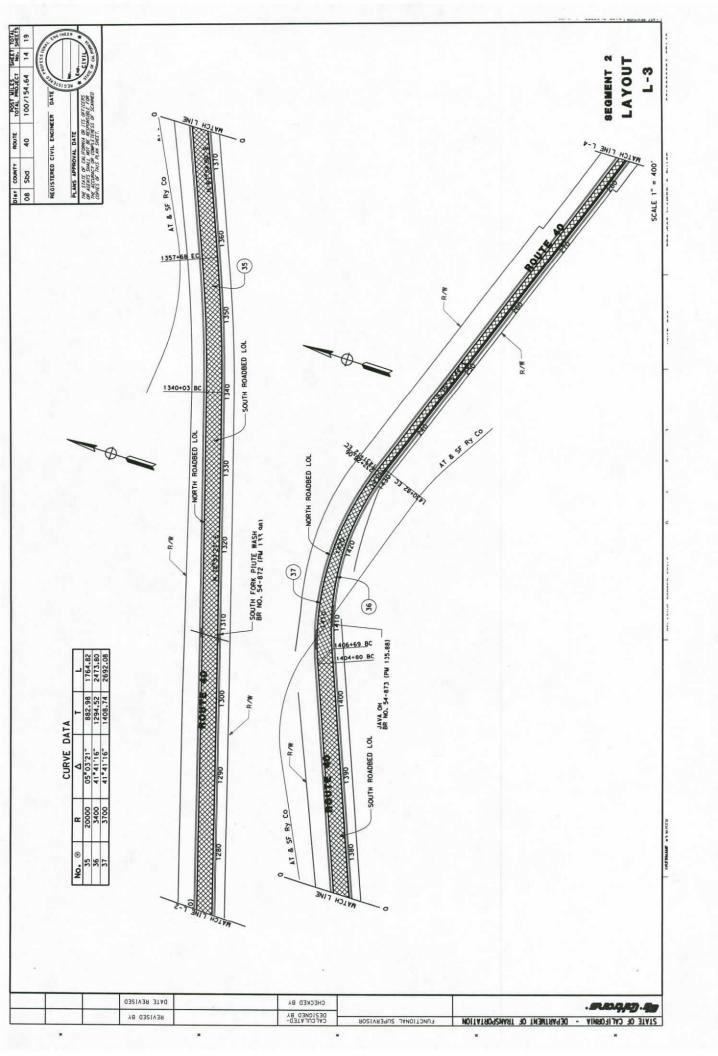


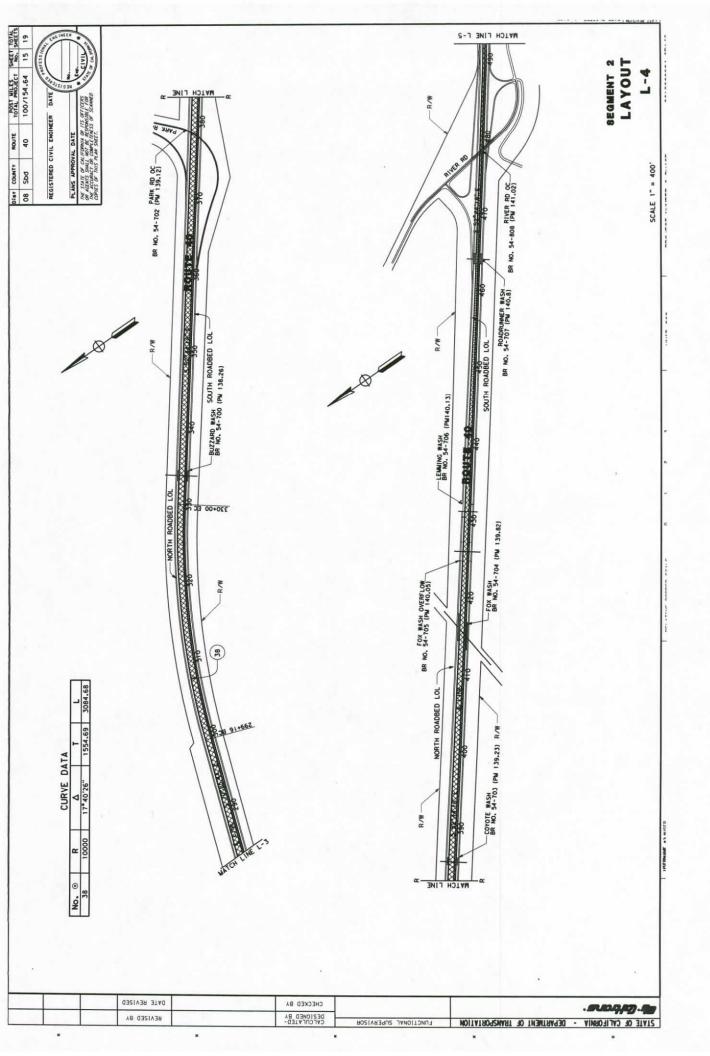


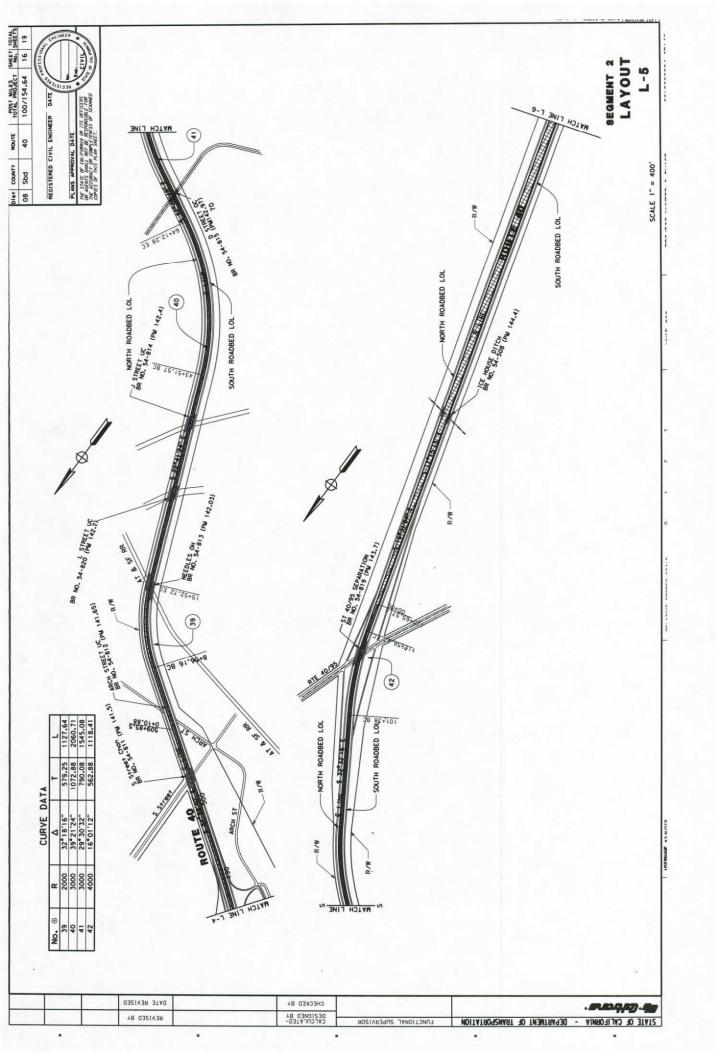


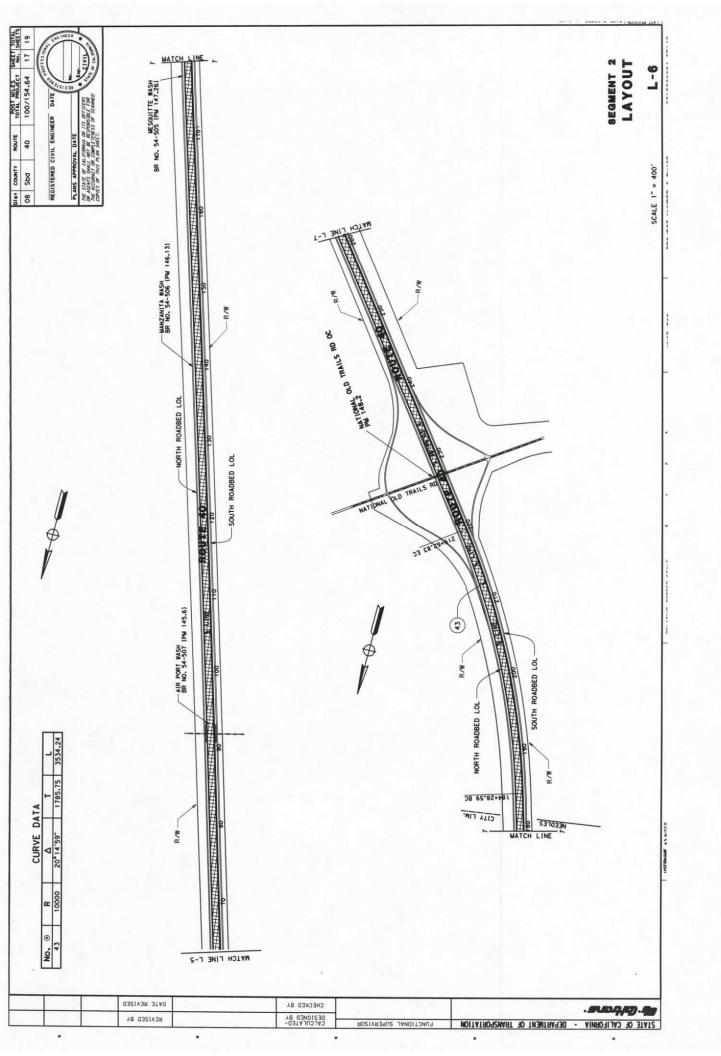


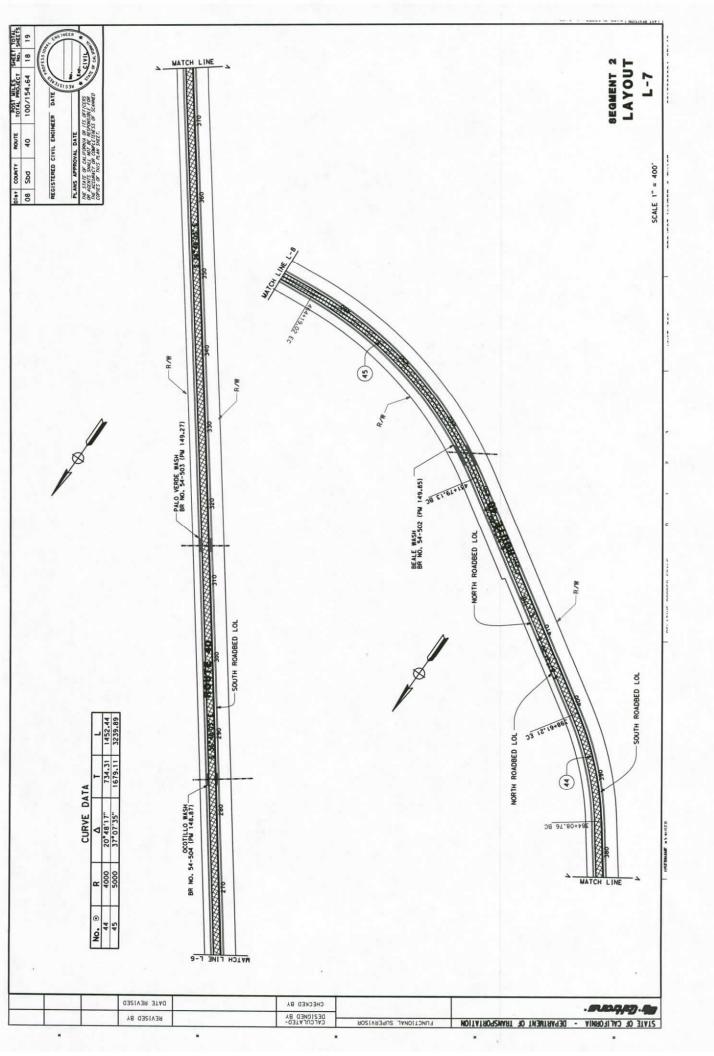


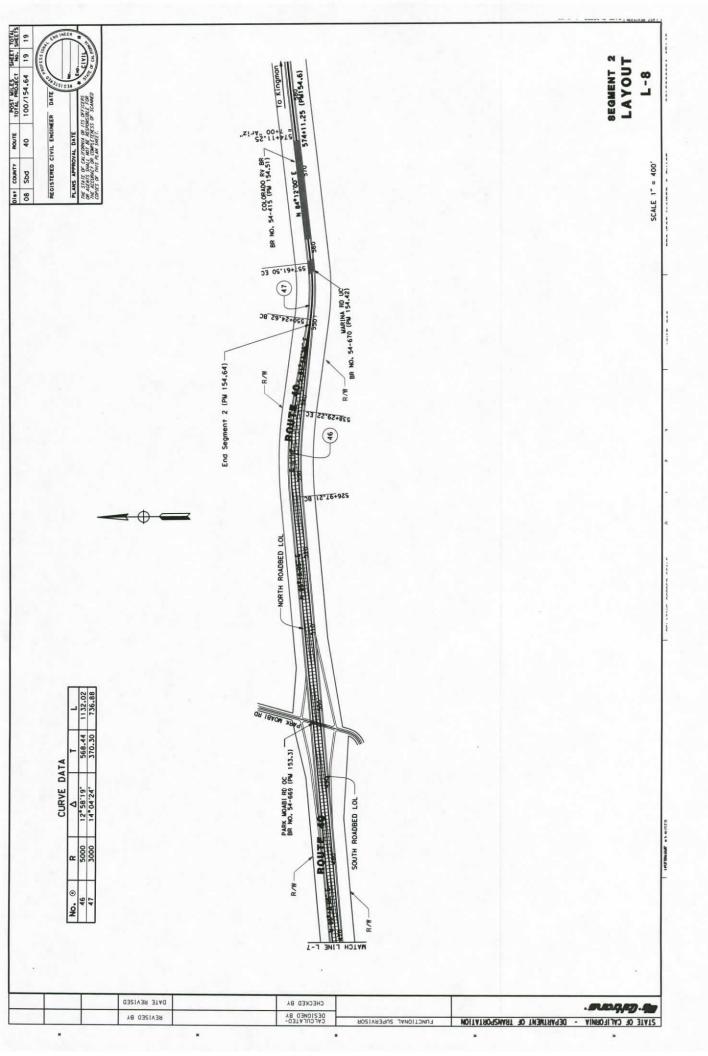












# ATTACHMENT C

RISK ASSESSMENT

		Updated	5/26/2015	5/26/2015	5/26/2015	5/26/2015	5/26/2015	5/26/2015	5/26/2015	
							_			
		Risk Owner/Division	Environmental and Rafih Achy	Diboro Kanabolo	Diboro Kanabolo	Gabriella Duff and Raffi Achy	Gabriella Duff and Rafih Achy	Gabriella Duff	Diboro Kanabolo	
Project ID: 812000024	Risk Response	Response Actions	A PCR for additional funds might be required.	Check with Maintenance to find out if there are recent culvert inspections that might identify the need for culvert repairs.	The source of water should be identified in the PS&E phase.		Design/PDT will endeavor to avoid any of these areas		Design will keep these alternations to a minimum.	A PCR might be needed to increase captal cost.
Project ID		Strategy	Accept	Mitgate	Mitigate	Accept	Avoid	Accept	Mitigate	
,		Rationale		1,						
Rafih Achy	nt	Time Score						•		
	Risk Assessment	Cost Impact   Cost Score   Time Impact   Time Score						2 -Low		
Project Manager:	Ris	Cost Score	12		•	ω	60	12	Ø	
08-0R140		Cost Impact	4 -Moderate	2 -Low	2 -Low	4 -Moderate	4 -Moderate	4 -Moderate	4 -Moderate	
DIST- EA:		Probability	3-Moderate	2-Low	2-Low	2-Low	2-Low	3-Moderate 4 -Moderate	2-Low	
Road to Arizona State Line. edian Slope		Current status/assumptions								
SBD-040-PM PM R100.0 Essex Road to Arizona State Line. Regrade Cross Median Slope	Risk Identification	Risk Statement/Risk in Red	Because the RMy Costs and Land see he RMy seek of or Acquiston Schedule for negotiated with Calif Department of Flah Environmental Magadon with Calif Department of Flah Environmental Magadon and Vidite, the potammed amount might not be autificient.	If there is a need to repair the existing culvarts, the total project cost may increase.	The source of water for compaction is unknown at this stage, this may increase the project cost.	Because this project is in an area where cultura in securics are present, additional studies may determine the meed for a Native American Monitor and/or a Native American Monitor during construction, and this war during construction, and this war increase the capital cost of the project.	Because technical studies may identify a potential area(S) eligible for listing on the National Register of Historic Places, this could delay the PA&ED milesone date.	Depending upon the findings of the biological surveys, additional surveys and mitigation may be required, and this could increase costs and delay the project schedule.	Because the grading being done on this plotect will after the drainage configuration, this could impact the 1902 Permit and increase the costs of the grolect.	Because the actual earthwork quantity will not be known until survey flaes are ready for Design to generate cross section, the actual construction capital cost might go up.
Project Name:	Risk Ide	Title	Right of Way Costs and Land Acquisiton Schedule for Erwironmental Mitigation.	Capital Costs	Water Source	Environmental Cultural Resources	Environmental Listing on the National Register of Historic Places	Environmental Blological Surveys	Grading, Attered Drainage Configuration and the 1602 Permit	Earthwork quantity capital cost
5/26/2015		Category	75	Design	Design	Environmental	Environmental	Environmental	Design	Design
LEVEL 2 - RISK REGISTE		Type	Threat	Threat	Threat	Threat	Threat	Threat	Threat	Threat
- RISK		# QI	100	110	120	130	140	150	160	170
LEVEL		Status	Active	Active	Active	Active	Active	Active	Active	Active

		Impact Definitions	itions		
Rating>	Very Low	Low	Moderate	High	Very High
of Threat	Insignificant cost	<5% cost	5-10% cost	10-20% cost	>20% cost
(co + cos)	increase	increase	increase	increase	increase
Cost Impact of	Insignificant cost	<1% cost	1-3% cost	3-5% cost	>5% cost
Opportunity (CO + COS)	reduction	decrease	decrease	decrease	decrease
Schedule Impact of	Insignificant	<1 month	1-3 months	3-6 months	>6 months
Threat	slippage	slippage	slippage	slippage	slippage
Schedule Impact of	Insignificant	<1 month	1-2 months	2-3 months	>3 months
Opportunity	improvement	improvement	improvement	improvement	improvement
Probability	1–9%	10-19%	20–39%	40-59%	%66-09
bability	1–9%	10–19%	20-3	%6	

Probability Rating 3 – Wery High 1 – Very Low 1 – 2 – 4 – 8 16			Risk	Risk Matrix			
4 - High 3 - Moderate 2 - Low 1 - Very Low 1 Low Impact Rating							10000000000000000000000000000000000000
3 – Moderate 2 – Low 1 – Very Low   Moderate   High   Impact Rating							
1 – Very Low 1 2 4 8 8	Probability Rating	3-					
Very Low         1         2         4         8           Very Low         Low         Moderate         High           Impact Rating		_					
2 4 8 Low Moderate High Impact Rating		-					
Low Moderate High			-	2	4	8	16
Impact Rating			Very Low	Low	Moderate	High	Very High
				51	npact Rating		



Low Risk Moderate Risk High Risk

# ATTACHMENT D

RIGHT OF WAY DATA SHEET

Date: June 5, 2015 REVISION 08-SBd 040 - PM R100.00/154.65 Re-grade Median Cross Slope EA 0R140 PN #0812000024

To:

**DON BAO** 

From:

DAVID R CHAVEZ, R/W Project Delivery

Subject: Current Estimated Right of Way Costs

We have completed a revised ROW data sheet for estimate of the right of way costs for the abovereferenced project based on information we received from you on <u>June 4</u>, <u>2015</u> and the following assumptions and limiting conditions:

- [ ] 1. The mapping did not provide sufficient detail to determine the limits of the right of way required.
- The transportation facilities have not been sufficiently designed so that the estimator could determine the damages to any of the remainder parcels affected by the project.
- [ X ] 3. Additional right of way requirements are anticipated, but are not defined due to the preliminary nature of the early design requirements.
- [ ] 4. We have determined there are no right of way functional involvement in the proposed project at this time, as designed.

Right of Way Lead Time will require a minimum of <u>12</u> months after we begin receiving final right of way requirements (PYPSCAN node No. 224), necessary environmental clearance has been obtained, and freeway agreements have been approved. From the date of receipt of final right of way requirements (PYPSCAN node No. 225), we will require a minimum of <u>9</u> months prior to the date of certification of the project. Either of these actions may reflect adversely on the District's other programs or our public image generally.

\*TOTAL PROJECT HOURS FOR R/W: 367

\*NOTE: THESE HOURS ARE PRELIMINARY BASED ON THE INFORMATION PROVIDED WITH THE DATA SHEET REQUEST. HOURS ARE SUBJECT TO CHANGE AS NEW INFORMATION IS PROVIDED.

\*A Data Sheet previously completed on November 12, 2014. This revised Data Sheet has been completed due to the changes in Offsite Mitigation.

Attachments:

[XX] Right of Way Data Sheet [XX] Utility Information Sheet

[XX] Railroad Information Sheet

COST RW1 -	6
TEXT TI	10/5
SCAN	6/5
CLASS	-
AGRE	
TPRC	

10/5

Date: June 5, 2015

REVISION

08-SBd 040 - PM R100.00/154.65 Re-grade Median Cross Slope EA 0R140 PN #0812000024

1.	Right	of Way Cost Estimate:		
	A.	Acquisition, including Excess Lands Damages, Goodwill, Major Rehabilitation, and Environmental		Value
		Permits to Enter	\$	0.00
	В.	Acquisition of Offsite Mitigation.	\$	10,000,000.00
	C.	Utility - Relocation (State share) Potholing (@ \$500.00ea)	\$ \$	0.00 2,000.00
	D.	RAP	\$	0.00
	E.	Clearance/Demolition	\$	0.00
	F.	Title and Escrow Fees	\$	0.00
	G.	Project Permit Fees	\$	10,000.00
	H.	Condemnation Costs	\$	0.00
	L	Total R/W Estimate:	\$ 1	0,012,000.00
	J.	Construction Contract Work	\$	0.00
1a.	Real	Property Services:		
	A.	Routine Maintenance (Object Code 058)	\$	0.00
	B.	Advertising Costs (Object Code 039)	\$	0.00
	C.	Utility Costs (Object Code 002)	\$	0.00
	D.	Total Real Property Services Estimate:	\$	0.00
2.	Antici	pated Pypscan Date of Right of Way Certification10/2020		
3.	Parce Type X A1 B C D E _xxx F _xxx		Svc Con OE Clea Clauses LIC/ROE Governi Number Misc. R RAP Dis Clear/D Const P Conden	reement 0 tract 0 rances 0 0 ment Lands Yes of Parcels 1 W Work 0 splacement emo 0 ermits 0

Areas: Right of Way: S.F. \_\_\_\_ Excess: S.F. \_\_\_\_ No. Excess Land Parcels: \_\_\_\_

Date: June 5, 2015 REVISION 08-SBd 040 - PM R100.00/154.65 Re-grade Median Cross Slope EA 0R140 PN #0812000024

4.	<ol> <li>Are there major items of construction cor Yes No _X_ (If yes, explain.)</li> </ol>	itract work?	
5.	<ol> <li>Provide a general description of the right improvements, critical or sensitive parcel</li> </ol>		ands required (zoning, use, major
	Pal Ful E T	e 0 rtial 0 I 0 Easements 1 Temporary 0 Permanent 1	NOTE: Coordination with BLM might be needed. See Railroad and Gov't Land Information Sheet.
6.	6. Is there an effect on assessed valuation?  Yes Not Significant No _X		
7.	7. Are utility facilities or rights of way affects Yes No _X_ (If "Yes," attach Utility The following checked items may serious Longitudinal policy conflict(s) Environmental concerns impactir Power lines operating in excess (See attached Exhibit 4-EX-5 for expected to the content of the cont	Information Sheet, E sly impact lead time f ing acquisition of pote of 50 KV and substat	or utility relocation:
8.	<ol> <li>Are railroad facilities or rights of way affecting (If yes, attach Railroad Information Sheet)</li> </ol>		<u>X</u>
9.	<ol> <li>Were any previously unidentified sites with found? Yes None Evident _X (If Chapter 4, Section 4.01.10.00.)</li> </ol>		
10.	Are RAP displacements required? Yes _     No. of single family No. of multi-family No.	No <u>X</u> (If yes, po. of business/nonpro. of farms	provide the following information.) rofit
	Based on Draft/Final Relocation Impact S that sufficient replacement housing (will/w		
11.	<ol> <li>Are there material borrow and/or disposal Yes X No (If yes, explain.) Des</li> </ol>		ractor to provide.
12.	<ol> <li>Are there potential relinquishments and/o Yes No _X_ (If yes, explain.)</li> </ol>	r abandonments?	
13.	<ol> <li>Are there existing and/or potential Airspace</li> <li>Yes No _X_ (If yes, explain.)</li> </ol>	ce sites?	
14.	<ol> <li>Indicate the anticipated Right of Way sche (Discuss if District proposes less than PM advancement are anticipated.)</li> </ol>		
	PYPSCAN lead time (from Maps to R/W t	o project certification	n) <u>6</u> months.
15.	<ol> <li>Is it anticipated that all Right of Way work Yes X No (If no, discuss.)</li> </ol>	will be performed by	/ CALTRANS staff?

Date: June 5, 2015 REVISION

08-SBd 040 - PM R100.00/154.65 Re-grade Median Cross Slope EA 0R140 PN #0812000024

	$\cap$ $\cap$	EA 0K140 FN #0812000024
Evaluations prepared by:		- 111
Right of Way:	Name DAVID ADAMS	Date 6/5/15
Railroad:	Name DAVID BUZON	Date 4 9 2015
Utilities:	Name TANISHA BARFIELD	Date 6/9/15
Government Lands:	Name ANTHONY RIZZI	Date 6/4/5
Property Management:	Name Jackie Williams	Date 6-8-15
	Revie	ewed By:
	Proje	ID R CHAVEZ, Senior ect Coordination ict 8, Right of Way
	Date	6/11/15
probable Highest and Bes	It this Right of Way Data Sheet and all sup t Use, estimated values, escalation rates, ng conditions set forth, and I find this Data	and assumptions are reasonable and
	Actin	E FLETCHER, g Deputy District Director ict 8, Right of Way

Date \_

Program Manager Project Manager

This utility estimate was prepared using "project specific" data and unit values. This information is not to be utilized for the updating or preparation of this, or any other Right of Way Cost Report or Utility Information Sheet.

08-SBd-40 PM R100.0/154.65 EA 0R140 PR# 08 1200 0024

#### UTILITY INFORMATION SHEET

1. Name of utility companies involved in project:

AT&T - DISTRIBUTION
CITIZENS COMMUNICATIONS
CITY OF NEEDLES
EL PASO NATURAL GAS COMPANY
GOLDEN VALLEY CABLE&COMMUNICATION
LEVEL 3 COMMUNICATIONS
PONDEROSA TELEPHONE CO

QUESTAR LINE 90 COMPANY SC GAS - TRANSMISSION SW GAS - SOUTH NEVADA SCE DIST - 29 PALMS TERRADEX. INC FORT MOJAVE TRIBAL UTILITIES

2. Types of facilities and agreements required:

Overhead:Telephone, Electric, Telecomm Underground: Gas, Petroleum Pipeline Notice to Owner, Utility Agreement, Pos Loc Agreements

- 3. Is any facility a longitudinal encroachment in existing or proposed access controlled right of way? No
- 4. Additional information concerning utility involvements on this project. Is there any special circumstances/facilities requiring additional lead time?

This project proposes to re-grade the median cross slopes from the existing 6:1 or steeper gradients to 20:1 inside the 30 food clear recovery zone on I-40 near Needles from Essex Road (PM 100.0) to Arizona County line (PM R154.65) in San Bernardino County. Drainage modifications and improvements in the median will be included. Preserving and improving the existing California Highway Patrol(CHP) crossovers are also included. All work will be done within the state Right of Way.

Transverse gas line is locate in the median of SR 40 near PM 134, potholing and/or relocation may be required.

Design must provide the Right of Way Coordinator (UC) with geometric base maps and a written request for utility verification [see Design Task D282 (220.D)]. The UC will then contact all appropriate Utility Owners (UO's) for verifications and corrections. The UC will then provide Design with the updated information and/or UO AsBuilts and Design can then prepare accurate utility location maps or U-Sheets. Design will then determine all utility conflicts that require positive location and/or relocation [see Design Task D283 (220.D)].

5. PM Right of Way Cost Estimate Phase 0 funding:
Potholing costs: Potholes 4 @ \$500.00 per Pothole (Vacuum Extraction and Probing) \$2,000.00

PMCS input information:

Total estimated cost of State's obligation for utility relocation on this project:

Once potholing is completed, if any utility facilities are in conflict, then Design must request this datasheet to be revised to reflect costs.

CS input information: Total estimated cost of State's obligation for utility relocation on this project:

(Phase 9 funding)	\$	0			
Utility In	volvement				
U4-1		U5-7	6		
-2		-8			
-3		-9			
-4		,			
	SHA BARFII of Way Utilit		or or	Date <u>:</u>	6/5/15

Date: June 5, 2015

REVISION

08-SBd 040 - PM R100.00/154.65 Re-grade Median Cross Slope EA 0R140 PN #0812000024

#### RAILROAD AND GOVERNMENT LANDS INFORMATION SHEET

 	 3	.,		

1.	Describe railroad facilities or right	ts of way affected		
	BNSF Tracks cross Rte 40 at the not affected:	ne following loca	tions within the scope of the	ne work but are
	@PM 107.2 / Goffs Rd @PM 132.8 / Rte 95 @PM 143.7 /Rte 40/95IC	BR #54-80 BR #54-87 BR #54-81	0	
2.	When branch lines or spurs are a businesses and/or industries servicenstruction of a facility to perpet	ed by the railroad	I facility be more cost effective	e than
3.	Discuss types of agreements and service contracts, or grade separa involved?			
	NONE			
1.	Remarks: See #1			
ō.	Is Government Lands involved? If yes, number of parcels _1_Agency Name and Explanation:	BLM - Are	a is within Quiet Title area. eded prior to construction.	
<b>S</b> .	PMCS Input Information			
	RR Involveme C&M Agreeme SVC Contract OE Clearance Clauses LIC/RE Government L Number pa	ent 0 0 0 0 0 0		
Pre	epared By:  DAVID BUZON  Right of Way Railroad Co	oordinator	Date: 4 20	<u>5</u>
Pre	epared By:  ANTHONY RIZZI  Right of Way Governmen	nt Lands Coordina	Date: <u>6/8/5</u>	

Date: June 5, 2015

REVISION

08-SBd 040 - PM R100.00/154.65 Re-grade Median Cross Slope EA 0R140 PN #0812000024

#### PROPERTY MANAGEMENT/EXCESS LAND INFORMATIONAL SHEET

WBS CODE	WBS ACTIVITY	NUMBER OF HOURS	COST
	PROPERTY MANAGEMENT	NOT APPLICABLE	x
195.40.05	Fair Market Rent Determinations (Residential)	والمساويسات	
195.40.10	Fair Market Rent Determinations (Non-Residential)		
195.40.15	Regular Rental Property Management		
195.40.20	Property Maintenance and Rehabilitation (Rental Property)		
195.40.25	Property Maintenance and Rehabilitation (Non-Rental Property)		
195.40.30	Hazardous Waste and Hazardous Materials		
195.40.35	Transfer of Property to Clearance Status		
270.25.03	Secure Lease for Resident Engineer's Office Space or Trailer	Subtotal	
	EXCESS LAND	NOT APPLICABLE X	
195.45.05	EXCESS LAND  Excess Land Inventory	NOT APPLICABLE X	
195.45.05 195.45.10		NOT APPLICABLE X	
	Excess Land Inventory	NOT APPLICABLE X	
195.45.10	Excess Land Inventory  Excess Land Appraisal and Public Sale Estimate	NOT APPLICABLE X	
195.45.10 195.45.15	Excess Land Inventory  Excess Land Appraisal and Public Sale Estimate  Excess Land Inventory ("Roberti Bill")	NOT APPLICABLE X	
195.45.10 195.45.15 195.45.20	Excess Land Inventory  Excess Land Appraisal and Public Sale Estimate  Excess Land Inventory ("Roberti Bill")  Excess Land Sales to \$15,000	NOT APPLICABLE X	
195.45.10 195.45.15 195.45.20 195.45.25	Excess Land Inventory  Excess Land Appraisal and Public Sale Estimate  Excess Land Inventory ("Roberti Bill")  Excess Land Sales to \$15,000  Excess Land Sales from \$15,001 to \$500,000	NOT APPLICABLE X	
195.45.10 195.45.15 195.45.20 195.45.25 195.45.30	Excess Land Inventory  Excess Land Appraisal and Public Sale Estimate  Excess Land Inventory ("Roberti Bill")  Excess Land Sales to \$15,000  Excess Land Sales from \$15,001 to \$500,000  Excess Land Sales over \$500,000	NOT APPLICABLE X	
195.45.10 195.45.15 195.45.20 195.45.25 195.45.30	Excess Land Inventory  Excess Land Appraisal and Public Sale Estimate  Excess Land Inventory ("Roberti Bill")  Excess Land Sales to \$15,000  Excess Land Sales from \$15,001 to \$500,000  Excess Land Sales over \$500,000  CTC and AAC Coordination  Date: 6-8-15		

Excess Land

# ATTACHMENT E STORM WATER DATA REPORT

			00 CDd 10		
	Dist-Co	ounty-Route	e. 06-5bu-40		
	Post M	lile Limits:	PM R100/R154	.64	
			rading Existing		c
					3
			: 0812000024 (		
			ation: HB1-201.	015	
Caltran	Phase:		PID		
щише	9		PA/ED		
			PS&E		
gional Water Quality Cor	ntrol Board(s): Colorado River	Basin			
<ol> <li>Is the project r</li> </ol>	required to consider incorporat	ting Treatm	ent BMPs?	Yes □	No ⊠
	ect disturb 5 or more acres of s			Yes ⊠	No 🗆
	ect disturb more than 1 acre of		ot qualify for		
The same of the sa	osivity Waiver?			Yes ⊠	No 🗆
4. Does the proje	ect potentially create permaner	nt water qu	ality impacts?	Yes □	No ⊠
	ect require a notification of ADL			Yes □	No ⊠
he answer to any of the	preceding questions is "Yes", p				
		Construc	tion Completion		
	t Date: 9/30/2022 it (if yes, permit number)	Yes	Permit #		No 🖂
eparate Dewatering Perm osivity Waiver	it (if yes, permit number)	Yes ☐	Permit # Date:		No ⊠ No ⊠
eparate Dewatering Permosivity Waiver  Long Form – Storm Wate ocument (PA/ED) and Pla is Short Form – Storm W censed Person. The Licer oon which recommendati	er Data Report will be prepared ans, Specifications, and Estima dater Data Report has been pre- nsed Person attests to the tech ions, conclusions, and decision	Yes  Yes  Yes  Yes  Yes  Yes  Yes  Yes	Permit # Date: oject Approval & ) phases of this der the direction	Environment project. of the follow ed herein and	No ⊠ No ⊠ tal
parate Dewatering Permosivity Waiver  Long Form – Storm Water  Louwent (PA/ED) and Place  is Short Form – Storm Water  censed Person. The Licer  is which recommendation	er Data Report will be prepared ans, Specifications, and Estima dater Data Report has been pre- nsed Person attests to the tech ions, conclusions, and decision	Yes  Yes  Yes  Yes  Yes  Yes  Yes  Yes	Permit # Date: oject Approval & ) phases of this der the direction	Environment project. of the follow ed herein and	No ⊠ No ⊠ tal
parate Dewatering Permosivity Waiver  Long Form – Storm Water  Loument (PA/ED) and Place  is Short Form – Storm Water  is ensed Person. The Licer  on which recommendation	er Data Report will be prepared ans, Specifications, and Estimal later Data Report has been prepared prepared prepared to the technique of the second later.	Yes  Yes  Yes  Yes  Yes  Yes  Yes  Yes	Permit # Date: oject Approval & ) phases of this der the direction rmation containe ed. Professional	Environment project. of the follow ed herein and Engineer or L	No N
parate Dewatering Permosivity Waiver  Long Form – Storm Water  Loument (PA/ED) and Place  is Short Form – Storm Water  is ensed Person. The Licer  on which recommendation	er Data Report will be prepared ans, Specifications, and Estimal later Data Report has been prepared prepared prepared prepared from the specific property of the specific	Yes  Yes  Yes  Yes  Yes  Yes  Yes  Yes	Permit # Date: oject Approval & ) phases of this der the direction mation containe ed. Professional	Environment project. of the follow ed herein and Engineer or L	No N
parate Dewatering Permosivity Waiver  Long Form – Storm Water  Loument (PA/ED) and Place  is Short Form – Storm Water  censed Person. The Licer  on which recommendation	er Data Report will be prepared ans, Specifications, and Estimated Person attests to the technism, conclusions, and decision to PS&E.  Don Bao, Registered I have reviewed the services and	Yes  Yes  Yes  Yes  Yes  Yes  Yes  Yes	Permit # Date: oject Approval & ) phases of this der the direction mation containe ed. Professional gineer/Landsca	Environment project. of the follow ed herein and Engineer or L	No N
eparate Dewatering Permosivity Waiver  Long Form – Storm Wate ocument (PA/ED) and Pla is Short Form – Storm W censed Person. The Licer oon which recommendati	er Data Report will be prepared ans, Specifications, and Estimal later Data Report has been prepared prepared prepared prepared from the specific property of the specific	Yes  Yes  Yes  Yes  Yes  Yes  Yes  Yes	Permit # Date: oject Approval & ) phases of this der the direction mation containe ed. Professional gineer/Landsca	Environment project. of the follow ed herein and Engineer or L	No N
cosivity Waiver  Long Form – Storm Wate  ocument (PA/ED) and Planis Short Form – Storm Watersed Person. The Licer	er Data Report will be prepared ans, Specifications, and Estimated Person attests to the technism, conclusions, and decision to PS&E.  Don Bao, Registered I have reviewed the services and	Yes  Yes  Yes  Yes  Yes  Yes  Yes  Yes	Permit # Date: oject Approval & c) phases of this der the direction rmation containe ed. Professional gineer/Landsca	e Environment project. of the follow ed herein and Engineer or L pe Architect ssues and fin	No N

# ATTACHMENT F CATEGORY ASSIGNMENT APPROVAL

#### Memorandum

Serious drought. Help Save Water!

To: CHRISTY CONNORS

Deputy District Director

Design

Date: May 13, 2015

File: 08-Sbd-40-PM 100/154.64

Re-grade Median Cross Slope 08-804-0R140K-0812000024

Reduction 201.015

MM

From: MATTHEW MAESTAS

Office Chief

Pre-Programming/Engineering Studies

#### Subject: REQUEST FOR CATEGORY 4B APPROVAL

A Project Study Report (PSR) is being prepared for the above referenced project. This project will be divided into two segments.

Segment 1: PM 100.0 to PM 125.0

Segment 2: PM 125.0 to PM 154.64

This project consists of re-grading the existing median cross-slope with 10:1 or flatter at various locations in the above-specified limits. Additional Right of Way will not be required for this project.

In accordance with Chapter 8, Section 5 of the Project Development Procedures Manual, your approval is requested to assign the above-referenced project to Category 4B.

Category 4B is recommended based on the following project considerations:

1. The project will not increase traffic capacity of highway.

2. The project will not require substantial new right-of-way.

3. The project will require a Initial Study/Negative Declaration (CEQA) and Environmental Assessment.

Approved by:

CHRISTY CONNORS

Deputy District Director

Design

"Provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and livability"

## ATTACHMENT G

PRELIMINARY ENVIRONMENTAL ANALYSIS REPORT (PEAR)



### PRELIMINARY ENVIRONMENTAL ANALYSIS REPORT

#### 1. Project Information

District	County	Route	PM	EA0R140	
08	SBd	40	100/154.64	PN 0812000024	
Project Title:					
Interstate 40 (	I-40) Re-Grade Med	dian Cross Slope (E	SsexRoad to State Line	e)	
Project Manager			Phone #		
Rafih Achy			909-388-4077		
Project Engineer			Phone #		
Don Bao			909-383-6323		
Environmenta	ol Office Chief/Man	ager	Phone #		
Aaron P. Burton			909-383-2841		
PEAR Preparer		Phone #			
Virgal T. Woolfolk			909-383-1593		

#### 2. Project Description

The scope of the I-40 Re-grade Median Cross Slopes project is planned to regrade the existing median cross slopes inside the thrity (30) feet clear recovery zone (CRZ), from 6:1 or steeper gradient to 10:1 or flatter on Interstate 40 (I-40) from Essex Road Overcrossing (PM 100.0) in the City of Fenner to State Line Border of California/Arizona (PM 154.6) in the City of Needles, in the San Bernardino County. This project is currently planned to be divided into two (2) segments due to the lengthy project limits and complexities of the Environmental Documents. The planned segments and location breakdown are as follows:

SEGMENT	EA	LOCATION
1	0R140K	PM 100/125
2	0R142K	PM 125/154.64

#### **Purpose of Project**

The purpose of the proposed project is to correct the existing median cross slope to create a clear recovery zone (CRZ) within the project limits, which vary between 2:1 to 6:1. Here, within the project limits, the cross slope median is too steep to allow traffic traveling to have a safe traversable and/or recoverable transition back to the highway. Current advisory median cross slope standards require a cross slope gradient of 10:1 or flatter; 20:1 being preferred. Flattening of existing median cross slopes is expected to improve recovery zones and reduce the risk of out-of-control vehicles crossing the median and colliding with opposing traffic.

#### **Need of Project**

In its current condition, the proposed project limits between Essex Road Overcrossing (PM 100.0) and the City of Needles near the State border of California/Arizona (PM 154.6) is in need of improvement due to non-standard median cross slopes. Flatting the median by re-grading cross slope would improve the safety of the traveling public. In that the existing I-40 roadway is a four lane freeway with a varied width median that separates the roadbed. The collision rate has been fatal. The accident data, per the Traffic Accident Surveillance and Analysis System (TASAS) - Transportation System Network (TSN) between 01/01/2010 and 12/31/2012, indicates that a total of two hundred two (202) accidents were reported within the project limits. Four (4) of these accidents involved fatalities, while eighty three (83) accidents involved injuries. There are sixty five (65) "overturn" accidents that resulted in three (3) fatalities.

To improve the safety of the traveling public in this segment of I-40, the District's Traffic Operation initiated this safety project under Project Initiation Proposal (PIP) No. 3702 to regrade the existing cross slope median. This project will be funded under the SHOPP Collision Severity Reduction Program (201.015).

#### **Description of Work**

#### Alternative 1 (No-Build)

The No-Build alternative would maintain the facility in its current condition. No improvements would be implemented at this time; therefore, no capital cost is associated with this alternative. The No-Build alternative would not address or alleviate the forecasted operational and safety issues along this segment of I-40. This alternative would not satisfied the need and purpose.

#### Alterative 2 (Build)

As previously stated, due to the lengthy project limits and complexities of the Environmental Documents, this project is divided in two (2) segments. The currently planned segments are as follows:

SEGMENT	EA	LOCATION
1	0R141K	PM 100.0/125.0
2	0R142K	PM 125.0/154.6

This proposed alternative improvement consists re-grading the median cross slopes from existing which vary from 2:1 to 6:1 or steeper to 10:1 or flatter on Interstate 40 (I-40) from Essex Road Overcrossing (PM 100.0) in the City of Needles to State Line Border of California/Arizona (PM 154.6) in the County of San Bernardino. Within the project limit, the cross slope median is too steep to allow traffic traveling to have a safe traversable and/or recoverable transition back to the highway. Current advisory standards for the median cross slopes require a gradient of 10:1 or flatter slope; 20:1 being preferred.

As previously indicated, the proposed improvements are expected to improve recovery zones and reduce the risk of "overturn" accidents in the median. No additional right of way is

required for this alternative. The proposed improvements would require substantial fill material and modification of existing drainage facilities within the median. Drainage modifications and improvement work will consist of reconstruction of existing off-site drainage facilities by extending the storm drain in the median. The cost of the proposed improvements in this alternative is estimated at \$73,900,000 including support cost. The cost estimate breakdown is as follows:

Roadway	\$ 47,000,000
Structure	\$ 0
R/W	\$ 10,000,000
Total Capital Cost	\$ 57,000,000
Total Support Cost	\$ 16,900,000
Total Project Cost	\$ 73,900,000

The capital cost breakdown for each segment is as follows:

Segment	EA	Capital Cost
1	0R141K	\$25,000,000
2	0R142K	\$22,000,000
Total		\$ 47,000,000

3. Anticipated Environmental Approval

Check the anticipated environmental determination or document for the proposed project in the table below.

CEQA		NEPA		
<b>Environmental Determination</b>				
Statutory Exemption				
Categorical Exemption		Categorical Exclusion		
<b>Environmental Document</b>				
		Environmental Assessment with Finding of No Significant Impact		
Environmental Impact Report	ct Report Environm		nental Impact Statement	
CEQA Lead Agency (if determined):			Caltrans	
Estimated length of time (months) to obtain environmental approval:			18-24 months	
Estimated person hours to complete identified tasks:			16,549 hours	

#### 4. Special Environmental Considerations

#### Biology:

This proposed project is located within the Mojave Desert and is located between two Bureau of Land Management's Desert Wildlife Management Areas (DWMAs): Piute-

#### 4. Special Environmental Considerations

#### Biology:

This proposed project is located within the Mojave Desert and is located between two Bureau of Land Management's Desert Wildlife Management Areas (DWMAs): Piute-Fenner to the north of I-15 and Chemehuevi to the south, from Postmile (PM) R (realigned) 75 until approximately PM 100. Both DWMAs are also considered Desert Tortoise Critical Habitat areas by the United States Fish and Wildlife Service. The median is considered Caltrans right-of-way and does not fall under the DWMAs, but some of the median can be considered habitat for Desert Tortoise. The Creosote bush shrub is also dominant community in the area but there have been Yuccas and Cacti seen in the median. It is recommended a Desert tortoise (Gopherus agassizii) – that is a State and Federal threatened species – survey and a rare plant survey be conducted during "0" phase to ensure if any tortoise and/or sensitive plants are present in the project impact area. Caltrans will implement the appropriate avoidance and minimization measures.

#### Wetlands:

Several washes are present in the project action area. These washes may reveal hydrophitic vegetation which could mean the presence of wetlands in the area. The National Wetlands Inventory shows the potential presence of wetlands upstream and downstream of the project site. A Jurisdictional Delineation will be required to determine the presence of jurisdictional waters and wetlands within the project area and to quantify the acreage of potential impacts to jurisdictional waters. Using National Hydrology Data on flows and blue lines; from Postmile R75-100 waters appear to flow towards the Inland deserts and eventually Dry Lakes.

#### **Invasive Pest Plant Species:**

Executive Order 13112 requires that any federal action may not cause or promote the spread or introduction of invasive species.

#### Cultural:

Depending upon the results of the records search and technical studies, Extended Phase I (XPI), and/or Phase II, Phase III archaeological excavations, archaeological monitors, and Native American monitors may become necessary. This potential remains an unknown at this time.

This project crosses BLM land and coordination will be required. Due to the potential for a large number of previously unrecorded cultural resources to be present extensive consultation and coordination with the BLM, Native American groups, and the State Historic Preservation Office (SHPO) will be necessary.

A Paleontological Inventory Report (PIR) and a Paleontological Evaluation Report (PIR/PER) should be anticipated.

#### Water Quality and Storm Water Runoff:

Permanent Treatment and/or Design Pollution Prevention and Temporary Construction BMPs would be required. A Storm Water Data Report (SWDR) would be required to determine the necessary BMPs should be included in this project.

Costs for "Environmental Obligation" would consist of permanent treatment BMPs, permanent design pollution prevention BMPs and temporary construction BMPs. Permanent treatment and design pollution prevention BMPs are identified in the Storm Water Management Plan (SWMP), which is required by the Caltrans Statewide NPDES permit.

Spring and Watson Washes are the receiving water bodies and are not 303(d) listed; however, since there is work to be done in the channel and there will be over an acre of soil disturbance, BMPs may need to be considered during PA/ED. Approximately \$250,000 should be added to the project to cover costs associated with incorporating BMPs. This price does not include costs for additional right-of-way acquisition, costs for constructing BMPS or for establishing drainage easements (2010 Project Planning & Design Guide).

Specific Construction BMPs and their costs will be identified at the PA/ED and PS&E stages.

The completion of an Interim Water Quality Questionnaire at the PID phase has determined that a Water Quality technical report is needed during the PA/ED phase.

Hazardous Waste/Materials: An asbestos report and lead-based paint would be required.

Landscape: A Scenic Resource Evaluation (SRE) would be required to evaluate the need for a Visual Impact Assessment (VIA).

#### 5. Anticipated Environmental Commitments

#### Biological

A desert tortoise protocol survey and a burrowing owl habitat assessment will be required within the project action area. Consultation with the U.S. Fish and Wildlife Service and coordination with the CA Department of Fish and Wildlife is anticipated. Project impacts to Desert Tortoise habitat will require mitigation. Mitigation ratios will be negotiated with the appropriate regulatory agencies. During construction, a desert tortoise monitor will monitor construction activities. A temporary desert tortoise fence may be required for the entire length of the project.

Waters of the State, Waters of the United States (US) and wetlands may be present in the project area and may be permanently impacted by grading and rock slope protection. If wetlands and/or other waters are impacted by the project, mitigation will be required. Mitigation typically consists of on-site mitigation or purchase of mitigation credits. Mitigation ratios for impacts to the waters of the State typically varies from 1:1 to 10:1.

Negotiation with Army Corp of Engineers (ACOE) and the California Department of Fish and Wildife (CDFW) will take place to establish final mitigation ratios.

#### **Cultural Studies**

If buried cultural resources are encountered during construction, it is Caltrans policy that work stop in that area until a qualified archaeologist can evaluate the nature and significance of the find.

In the event that human remains are found, the county coroner shall be notified and ALL construction activities within 50 feet of the discovery shall stop. Pursuant to Public Resources Code Section 5097.98, if the remains are thought to be Native American, the coroner will notify the Native American Heritage Commission (NAHC) who will then notify the Most Likely Descendent (MLD). The person who discovered the remains will contact the District 8 Division of Environmental Planning; Gabrielle Duff, DEBC: (909)383-6933 and Gary Jones, DNAC: (909)383-7505. Further provisions of PRC 5097.98 are to be followed as applicable.

ESA fencing with archaeological and Native American monitoring may be required.

Additional commitments may be required following the conclusion of studies.

### 6. Permits and Approvals Biology:

The proposed project may require a 1602 Streambed Alteration Agreement from the CDFG, 404 Nationwide Permit from the ACOE, and 401 Certification from the Regional Water Quality Control Board. Since the project is located within occupied desert tortoise habitat, a biological assessment resulting in a biological opinion from FWS and a 2080.1 permit from the CDFG will be required for this project. The following permits will be required:

- CDFG Code 1602 Streambed Alternation Agreement:
- CDFG Code 2081 Incidental Take Permit
- CWA Section 401 Water Quality Certification Discharge to Waters
- CWA Section 404 Permit for Permanent Discharge to Waters
- FESA Section 7 Biological Opinion

#### Water Quality and Storm Water Runoff:

This project will use the following two NPDES permits:

- National Pollutant Discharge Elimination System (NPDES) Permit,
- Statewide Storm Water Permit and Waste Discharge Requirements for the State of California, Department of Transportation (Order No. 99-06-DWQ, NPDES No. CAS000003)

A new MS4 permit is likely to be adopted prior to PA/ED. A final signed version of the SWDR may be included with the PID, PR and final PS&E for circulation to obtain functional unit concurrence.

#### 7. Level of Effort: Risks and Assumptions

\*Please note that the attached WBS work plan estimates reflect work hours only for Environmental units.

\*Costs associated with Treatment BMPs and erosion control requirements are not reflected in Attachment D of this PEAR.

#### Biological:

Waters of the State, waters of the United States (US), and wetlands may be present in the project area and may be permanentely impacted by rock slope protection. If wetlands and/or other waters are impacted by this proposed project additional mitigation will be required. Mitigation typically consists of on-site mitigation or purchase of mitigation credits. Mitigation ratios for impacts to the waters of the State typically varies from 1:1 to 10:1. Negotiation with Army Corp of Engineers (ACOE) and the California Department of Fish and Wildlife (CDFW) will take place to establish final mitigation ratios.

404 permit: no cost401 permit: \$50,0001602 permit: \$5000

Compensatory Mitigation: \$250,000

#### **Cultural Studies:**

- a. No major Native American, BLM, or SHPO concerns or objections.
- b. State R/W and BLM land only.
- No additional scope changes.
- d. Most sites will be avoided during construction.
- Most sites not avoidable, will be CARIDAP eligible and found to be ineligible for the NRHP.
- f. One medium size site will undergo Phase II and Phase III investigation and mitigation.

#### 8. PEAR Technical Summaries

- 8.1 Land Use: A review of the San Bernardino General Plan, the Caltrans Route Concept Report and additional transportation planning/land use documents will be referenced for project approval.
- 8.2 Growth: An in-depth growth analysis is not anticipated for this project.
- 8.3 Farmlands/Timberlands: The project footprint does not affect farmlands/timberlands.
- 8.4 Community Impacts: A Community Impact Assessment is not required. The community of Essex will not be impacted by construction activities within the median of I-40.
- 8.5 Visual/Aesthetics: A Visual Impact Analysis may be required. Landscape shall address revegetation of the disturbed median if required.
- 8.6 Cultural Resources: A Historical Property Survey Report (HPSR) and an Archaeological Survey Report (ASR) will be required for this projects. Based on results from survey, consultation, and the record search additional reports may be required including but not limited to a Historical Resource Evaluation Report (HRER), Data Recovery Plan, Phase II and III reports. Due to the presence of BLM land in this area, the Caltrans Section 106

- Programmatic Agreement (PA) does not apply; additional reports may be required depending on coordination efforts with the BLM.
- 8.7 Hydrology and Floodplain: Based on the scope of work and physical settings of the project, we do not anticipate any adverse effects to the floodplain or surrounding. According to the Flood Insurance Rate Map on other related projects in the area, the project area is unincorporated and situated in an area where flood hazards are undetermined.
  In addition, the delineated flood plains shown on the FIRM maps indicate numerous other
- watercourses within the project limits for which flood hazards are possible but not determined.

  8.8 Water Quality and Storm Water Runoff: The project will be evaluated for potential water quality and storm water runoff impacts (temporary and/or permanent) associated with the project.
- 8.9 Geology, Soils, Seismic and Topography: The environmental document will address these issues if required.
- 8.10 Paleontology: A Paleontological records search should be conducted and the results of which will determine whether or not further paleontological studies are warranted.
- 8.11 Hazardous Waste/Materials: An Initial Site Assessment (ISA) will be required to address the potential for hazardous waste/materials with the project limits. In addition, an asbestos report and lead-based paint survey are required for this project.
- 8.12 Air Quality: This project is listed in Table 1, Carbon Monoxide (CO) Protocol. It is exempt from air emissions analyses. Therefore, an Air Quality Report is not required.
- 8.13 Noise and Vibration: This project is a Type III project per Traffic Noise Analysis Protocol. It is exempt from traffic noise analysis. Therefore, a Noise Study Report is not needed.
- 8.14 Energy and Climate Change: An analysis of energy and climate change issues will not be required.
- 8.15 Biological Environment: A Natural Environment Study, Jurisdictional Delineation, Biological Assessment and coordination and consultation will be required with State and Federal agencies for this project. A Biological Opinion, and 2081 permit will be required if it is determined in future analysis. Temporary and permanent impacts to sensitive biological resources and jurisdictional waters are anticipated. Avoidance, minimization, and compensatory mitigation for those impacts will be analyzed for this project.
- 8.16 Cumulative Impacts: An analysis of cumulative impacts analysis is not anticipated.
- 8.17 Context Sensitive Solutions: Applied as appropriate on all projects.

#### 9. Summary Statement for PSR or PSR-PDS

#### Biology:

The proposed project is located within the Mojave Desert. Creosote bush shrub is dominant community in the area. Desert tortoise (Gopherus agasizii), a State and Federal threatened species is present within the project vicinity. A rare plant survey will ensure if any sensitive annual plants are present in the project area. Desert tortoise surveys may be required for this project. The project is located within Chemehuevi desert tortoise critical habitat area and in the vicinity of Piute El Dorado desert tortoise critical habitat.

Waters of the State, Waters of the United States (US), and wetlands may be present in the project area and may be permanentely impacted by rock slope protection. If wetlands and/or other waters are impacted by the project, mitigation will be required. Mitigation typically consists of on-site mitigation or purchase of mitigation credits. Mitigation ratios for impacts to the waters of the State typically varies from 1:1 to 5:1.

Negotiation with Army Corp of Engineers (ACOE) and the California Department of Fish and Game (CDFG) will take place to establish final mitigation ratios.

The proposed project will require a 1602 Streambed Alteration Agreement from the CDFG, 404 Nationwide Permit from the ACOE, and 401 Certification from the Regional Water Quality Control Board. Since the project is located within occupied desert tortoise habitat, a biological opinion for FWS and a 20801 permit from the CDFG will be required for this project.

#### Cultural:

For cultural compliance the APE/PAL should include all anticipated project-related activity areas (e.g., utility relocation, access roads, construction easements, work, equipment storage, and staging areas) as well as reasonably anticipated or known boundaries of archaeological sites and potential historic properties indirectly or directly affected by the project.

A Paleontological records search should be conducted and the results of which shall/should determine whether or not further paleontological studies are warranted.

#### Water Quality and Storm Water Runoff:

This project will use the following two NPDES permits:

- National Pollutant Discharge Elimination System (NPDES) Permit,
- Statewide Storm Water Permit and Waste Discharge Requirements for the State of California, Department of Transportation (Order No. 99-06-DWQ, NPDES No. CAS000003)

A new MS4 permit is likely to be adopted prior to PA/ED. A final signed version of the SWDR may be included with the PID, PR and final PS&E for circulation to obtain functional unit concurrence.

#### Landscape:

Landscape would address re-vegetation of the disturbed median (from the detours). There may be additional minor disturbance/environmental issues with the wash bed and its banks but that will be identified by Environmental. Erosion control will expectably be a tackifier for soil stabilization. Re-vegetation will be addressed using the standard special specifications for "Duff."

#### 10. Disclaimer

This Preliminary Environmental Analysis Report (PEAR) provides information to support programming of the proposed project. It is not an environmental determination or document. Preliminary analysis, determinations, and estimates of mitigation costs are based on the project description provided in the Project Study Report (PSR). The estimates and conclusions in the PEAR are approximate and are based on cursory analyses of probable effects. A reevaluation of the PEAR will be needed for changes in project scope or alternatives, or in environmental laws, regulations, or guidelines.

11 List of Preparers

Coltrad Property Service Service	Data Inc. 10 2015
Cultural Resources Specialist	Date: June 10, 2015
Steve Holm	D. 1 . 10 . 2015
Biologist Specialist	Date: June 10, 2015
Josh Jaffery and Chun-Sheng Wang	D 14 15 2015
Community Impacts Specialist	Date: May 15, 2015
Virgal Woolfolk	
Noise and Vibration Specialist	Date: June 10, 2015
Hoang Pham	
Air Quality specialist	Date: June 10, 2015
Hoang Pham	
Paleontology Specialist/liaison	Date: June 10, 2015
Barham Karimi	
Water Quality Specialist	Date: May 15, 2015
Virgal Woolfolk	
Hydrology and Floodplain Specialist	Date: June 10, 2015
Roy King	
Hazardous Waste/Materials Specialist	Date: June 10, 2015
Rosanna Roa	
Visual/Aesthetics Specialist	Date: June 10, 2015
Steve Magallanes	
Energy and Climate Change specialist	Date: May 15, 2015
Virgal Woolfolk	
Other:	Date: June 10, 2015
N/A	
PEAR Preparer	Date: May 15, 2015
Virgal Woolfolk	

## 12. Review and Approval

I confirm that environmental cost, scope, and schedule have been satisfactorily completed and that the PEAR meets all Caltrans requirements. Also, if the project is scoped as an EA or EIS, I verify that the HQ DEA Coordinator has concurred in the Class of Action.

Aaron P. Burton,

Environmental Branch Chief

Date: 6-12-2015

Date: 6-12-2015

For Project Manager: Rafih Achy

#### **REQUIRED ATTACHMENTS:**

Attachment A: PEAR Environmental Studies Checklist

Attachment B: Estimated Resources by WBS Code
Attachment D: PEAR Environmental Commitments Cost Estimate (Standard PSR)

## Attachment A: PEAR Environmental Studies Checklist

Environmental Studies for PA&ED Checklist						
Livitoriilori	Not anticipated	Memo to file	Report required	Risk*	Comments	
Land Use				L		
Growth				L		
Farmlands/Timberlands				L		
Community Impacts			П	L		
Community Character and Cohesion				L		
Relocations				L		
Environmental Justice				L		
Utilities/Emergency Services				ī		
Visual/Aesthetics				Ī		
Cultural Resources:				Ī		
Archaeological Survey Report				ī		
Historic Resources Evaluation Report				L		
Historic Property Survey Report		7	X	L		
Historic Resource Compliance Report				Ī		
Section 106 / PRC 5024 & 5024.5				Ī		
Native American Coordination	X			Ī		
Finding of Effect				Ī		
Data Recovery Plan	X			Ī		
Memorandum of Agreement	X			Ē		
Other:	X			Ī		
Hydrology and Floodplain	X			Ī		
Water Quality and Stormwater Runoff	Ø	H		Ī		
Geology, Soils, Seismic and	X			Ī		
Topography			_	=		
Paleontology		×		L		
PER	Ø			Ī		
PMP	a			Ī		
Hazardous Waste/Materials:	H	H		Ī		
ISA (Additional)		H		Ī		
PSI			H I	Ī		
Other:	a			Ī		
Air Quality	X			Ī		
Noise and Vibration				Ī		
Energy and Climate Change				Ī		
Biological Environment	H			Ī		
Natural Environment Study				Ī		
Section 7:		H		ī		
Formal			Image: Control of the	ī		
Informal		H		ī		
No effect	X	H		ī		
Section 10	X	H		<u> </u>		
USFWS Consultation	H	H		<u>L</u>		
NMFS Consultation		H		<u> </u>		

Environment	al Studies	for PA	&ED C	hecklist	
	Not anticipated	Memo to file	Report required	Risk*	Comments
Species of Concern (CNPS, USFS, BLM, S, F)				L	
Wetlands & Other Waters/Delineation				L	
404(b)(1) Alternatives Analysis	X			L	
Invasive Species	X			L	
Wild & Scenic River Consistency				L	
Coastal Management Plan	X			L	
HMMP				L	
DFG Consistency Determination				L	
2081			X	L	
Other:				L	
Cumulative Impacts				L	
Context Sensitive Solutions	×			L	
Section 4(f) Evaluation				L	
Permits:					
401 Certification Coordination				L	
404 Permit Coordination, IP, NWP, or LOP			X	L	
1602 Agreement Coordination				L	
Local Coastal Development Permit				L	
Coordination					
State Coastal Development Permit	$\boxtimes$			L	
Coordination					
NPDES Coordination			X	L	
US Coast Guard (Section 10)	$\boxtimes$			L	
TRPA				L	
BCDC				L	

# Attachment B: Estimated Resources by WBS Code D8 Environmental Planning Workplan Estimates EA: 0R140 PM: 100/154.64 DATE: 6/11/2015

WBS	2202	2211	22xx	2209	2216	2223	2269	Total
	Envt'l QA/QC NEPA Delegation	Bio Studies/ Permits	Generalist	Desert Region Bio	Cultural Studies	Envt'l Const Monitoring	Envt'l Eng	
160	0	23	60	0		0	20	103
165	0	355	1,215	36	3,513	0	220	5,339
170	0	250	73	18	0	0	0	341
175	0	0	241	15	0	0	0	256
180	0	90	149	17	24	0	40	320
185	0	50	5	0	0	0	0	55
195	0	0	4	0	0	0	0	4
200	0	0	0	0	0	0	0	0
205	0	381	10	7	0	0	0	398
225	0	0	0	0	0	0	0	0
230	0	100	14	0	20	0	40	174
235	0	150	141	15	4,814	0	50	5,170
245	0	0	0	0	0	0	0	. 0
255	0	100	20	5	16	12	50	203
260	0	100	30	5	16	0	22	173
270	0	0	28	5	0	353	20	406
280	0	500	0	0	2,857	0	0	3,357
290	0	0	0	0	0	0	0	0
295	0	0	20	10	0	200	20	250
Total	500	593	2,010	133	390	565	924	16,549

#### Attachment D: PEAR Environmental Commitments Cost Estimate

### Standard PSR Only

(Prepare a separate form for each viable alternative described in the Project Study Report)

District-County-Route-Post Mile
08-SBd-40

Project Description:
Interstate 40 (I-40) Re-Grade Median Cross Slope (EssexRoad to State Line)

Form completed by (Name/District Office):
Aaron Burton/Division of Environmental Planning, District 8

Project Manager: Phone Number: Rafih Achi (909) 388-4077

Date: 6/11/2015

#### PART 2 PERMITS AND AGREEMENTS

	Permits and Agreements (\$\$)
Fish and Game 1602 Agreement	5000 (Maximum Amount for 1602 permit)
Coastal Development Permit	
State Lands Agreement	
Section 401 Water Quality Certification	90000 (Maximum Amount for 401 permit)
Section 404 Permit – Nationwide (U.S. Army Corps)	
Section 404 Permit - Individual (U.S. Army Corps)	
Section 10 Navigable Waters Permit (U.S. Army Corps)	
Section 9 Permit (U.S. Coast Guard)	
Other:	
Total (enter zeros if no cost)	

## PART 3. ENVIRONMENTAL COMMITMENTS FOR PERMANENT IMPACTS

To complete the following information:

- o Report costs in \$1,000s.
- o Include all costs to complete the commitment:
  - O.K. to break down by phase: Design, ROW, Construction, and/or provide Sub-Total.
  - Capital outlay and staff support. Refer to Estimated Resources by WBS Code. For example, if you estimated 80 hours for biological monitoring (WBS 235.35 Long Term Mitigation Monitoring), convert those hours to a dollar amount for this entry. For current conversion rates from PY to dollars, see the Project Manager.
  - Cost of right of way or easements.
  - If compensatory mitigation is anticipated (for wetlands, for example), insert a range for purchasing credits in a mitigation bank.
  - · Long-term monitoring and reporting
  - Any follow-up maintenance
  - Use current costs; the Project Manager will add an appropriate escalation factor.
  - This is an estimating tool, so a range is not only acceptable, but advisable.

	Envi	ronmenta Altern	l Commitment ative	S	
	Estimate	ed Cost in	\$1,000's		Notes
	Phases				
	Design	ROW	Construction	Sub- Total	
Noise abatement or mitigation					
Special landscaping		-37			
Archaeological resources					
Biological resources		500		500	Mitigation Land
Historical resources			500	500	
Scenic resources	0	0	0	0	
Wetland/riparian resources	0	10	0	10	Riparian / Wetlands Mitigation
Res./bus. relocations					
Other:					
Total (enter zeros if no cost)	0	510	500	1010	

# ATTACHMENT H

INITIAL SITE ASSESSMENT (ISA)

# INITIAL SITE ASSESSMENT (ISA) CHECKLIST

trict (		MATION ounty SB		40 Post Mile	R100/R15			R140 B-1200-0024
scription	n of	Re-grade	Median Cros	ss Slope with 1:10 o	r flatter at va	rious locations.		
	-1	Don E	200		Telephone	(909) 806-3936		
ject En	_		Virgal Woo	lfolk	Telephone	(909) 383-1593		
/ironme	ental Co	ordinator	Virgal Woo	DITOIR	reiepiteite			
TE ISA	NEED	DED	12/3/14					
erdous w Pro S Pro	vaste site oject Fea structure oject Se	es. atures: New F	A/W? NO Exc odification? NO	ban -			ll known :	and/or potentia
Ac	diacent L	and Uses:	desert	ght industry, commercia				
AF	FECTIN	IG SITES LIST	TED ON CORT	to provide all information: ESE LIST? NO	IF YES, DESI	Date  Hazar	dous Ma	terials:
S	torage S	Structures/Pi	pelines:	dumping, etc)	NO	(asbe	stos, lea	NO NO
JST's		NO		Surface Staining	NO NO	Spray	170	NO
Surface	tanks	NO		Oil Sheen	NO	Firepr		
Sumps	NO	Ponds	NO	Odors	NO	Pipe V		NO
rums	NO	Basins	NO	Vegetation damage	NO	Friable Acous		NO NO
ransfor	mers	NO		Other		Plaste		
andfill		NO				Serpe		NO
Other						Paint	NO	Other _
and/or o	omments bservation	ons: non Iten	-hazardous 9 1 #070030, co	UNITED TO SERVICE OF THE SERVICE OF	LOW RISK	eded before task ord	Compi	iance rian,
	known	or potential ha						

ISA CONDUCTED BY:

ROSANNA ROA, ENV. ENG. MS-824
DISTRICT 08 HAZARDOUS WASTE COORDINATOR
(909) 383-5917

9/10/14

DATE: \_

# ATTACHMENT I

PROJECT INITIATION PROPOSAL (PIP)

STATE OF CALIFORNIA PROJECT INITIATION PROPOSAL (PIP) DEPT OF TRANSPORTATION PROGRAM MGMT. REPORTATION PROJECTS  Revised March 2016 OGR AM/PROJECT HGMT.
DATE REC IN PROBLEMAY 26 AH 4: 1 # E.A. 08/12/00/02/4 PIP NO. 3702
A. Originating Office Senior / Branch Chief Contact  Traffic Operation Haissam Yahya Telephone Number Telephone Number (909)383-6499
LOCATION:  SBD-40-R100.00/R154.64  Co-Rte-Post Mile  ISSUE:  New Ar Neckles a Essex Road to Arizona State Line  Geographic
Analysis of data from the Traffic Accident Survelliance and Analysis Sytem have shown a history of runoff accidents in the median on this segment of Interstate 40. The adivsory standard for median cross slope is 10:1 or flatter. The existing median cross slope exceed the standard 10:1 or flatter slope.
PROPOSAL/SOLUTION(S):  To improve the roadway safety of traveling public, traffic operations recommends improving the roadside design by providing flatter median slopes, it is proposed to regrade the median within the project limits to provide a standard 10:1 median slope or flatter. A roadside with flattened slopes enhances the opportunity for reducing the severity of the crash. Upgrading existing highway roadside design features within the project limit is expected to reduce the number and severity of accidents. The project will be funded under Highway Safety enhancement Improvement program
AGREEMENT REQUIRED: YES: NO: X AGENCY:  PERFORMANCE MEASURES: NUMBER: 163.92 DESCRIPTOR: Collisions Reduced  EXPECTED ENVIRONMENTAL DOCUMENT: CE  PRELIMINARY ESTIMATE
CONST: Roadwork = \$15,906,000
TOTAL PROJECT COST: (CONST + R/W): \$15,906,000
B. PROGRAM MANAGEMENT ONLY: PROGRAM CODE: 201.015 PMCS CODE: HB1  Proposed Funding: SHOPP FY. PNO  Project Type: Major: X Minor: Permit: Maintenance (HM):  Project Manager: Roth Achy.  Comments:
For Approval: I recommend this PIP for approval R.Y. 1/21/11
PID/PRTYPE: PSR Reviewed by: angel Johnson Date: (011/11)
C. FINAL DISPOSITION BY DDD:  Project: Approved as Submitted Approved With Conditions(See Comments)  Rejected
COMMENTS:
DDD Program/Project Management DDD Maintenance  Date: 7/2///